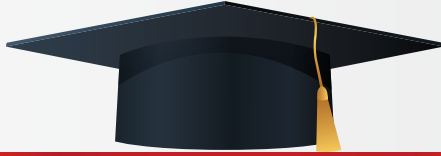


Creating Global Citizens with Islamic Values



**ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)**  
A Subsidiary Organ of Organisation of Islamic Cooperation (OIC)

**IUT 36<sup>th</sup>**  
**Convocation 2024**



# IUT 36<sup>th</sup> Convocation 2024

Convener

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## **Publications Sub Committee 2024**

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Head, Department of Research, Extension,  
Advisory Services and Publications (REASP)  
Islamic University of Technology (IUT)

**June, 2024**

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**ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)**

A Subsidiary Organ of Organisation of Islamic Cooperation (OIC)

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**Congratulations**

**ON YOUR GRADUATION**

**30<sup>th</sup>**

**Convocation 2024  
MESSAGES**

**Creating Global Citizens with Islamic Values**



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



PRIME MINISTER  
GOVERNMENT OF THE PEOPLE'S REPUBLIC OF  
BANGLADESH

13 Ashar 1431  
27 June 2024

## Message

I am pleased to learn that the Islamic University of Technology (IUT) is convening its 36th Convocation. On this auspicious occasion, I congratulate the graduating students for their remarkable achievements in completing their studies.

In the ever-evolving landscape of the 21st century, the importance of education, innovation, and technological advancement cannot be overstated. Today, as we witness the rapid pace of change driven by the fourth industrial revolution, it becomes increasingly evident that the future belongs to those who embrace skills, knowledge, adaptability, and creativity.

I am proud to acknowledge the pivotal role that the Islamic University of Technology continues to play in shaping the future leaders of our Ummah. Your commitment to excellence in research, education, and the pursuit of intellectual property sets a commendable example for institutions across the globe.

Let us also take a moment to reflect on the visionary leadership of Bangabandhu Sheikh Mujibur Rahman, whose historic decision to join the Organisation of Islamic Cooperation (OIC) in 1974 laid the foundation for greater unity and solidarity within the Muslim Ummah. His enduring legacy serves as a beacon of hope and inspiration for all of us as we navigate the complexities of the modern world.

As we look to the future, I reaffirm my government's unwavering commitment to supporting the endeavors of the Islamic University of Technology. Together, let us continue to harness the power of education and technology to address the challenges facing our Ummah and humanity as a whole.

To the graduating students, I offer my heartfelt best wishes as you embark on the next phase of your journey. May you continue to strive for excellence, uphold the values of integrity and compassion, and make meaningful contributions to the betterment of society. I extend my gratitude to the Vice Chancellor, faculty members, and staff for their dedication and hard work in nurturing the academic and research excellence of this esteemed institution.

In closing, I wish the 36th Convocation of the Islamic University of Technology a resounding success and a bright future filled with endless possibilities.

Congratulations once again to the graduates, and may you all go forth and make your mark on the world.

**Joi Bangla, Joi Bangabandhu  
May Bangladesh Live Forever**

**Sheikh Hasina**



**Secretary General**  
Organisation of Islamic Cooperation (OIC)



**Chancellor**  
Islamic University of Technology (IUT)

### Message

As Chancellor of the Islamic University of Technology (IUT), it is with immense pride and honor that I extend my heartfelt congratulations to all the graduates on this joyous occasion of the 36th Convocation ceremony.

Education stands as one of the highest priorities of the Organisation of Islamic Cooperation. Our commitment to helping young people in Member States achieve better horizons is unwavering. We strive to equip them with the knowledge and skills necessary to be valuable contributors to their societies and communities. It is our goal and mission to ensure that every student has the opportunity to reach their full potential, and we are dedicated to doing our utmost to achieve this aim.

Today marks a significant milestone in your journey, one that celebrates years of relentless dedication, perseverance, and intellectual growth. Your accomplishments stand as a testament to your unwavering commitment to excellence, and I commend each and every one of you for your remarkable achievements.

As you step forth into the next chapter of your life, equipped with the knowledge and values instilled by this esteemed institution, I urge you to remain steadfast in your pursuit of knowledge and virtue. Remember that your education not only empowers you but also carries with it a profound responsibility to serve humanity with integrity, compassion, and social responsibility.

In a world grappling with myriad challenges, it is imperative that you, as graduates of IUT, harness your skills and expertise to address these pressing issues with ingenuity and compassion. Whether through scientific innovation, technological advancement, or community engagement, your contributions have the power to shape a brighter, more inclusive future for all.

I firmly believe that the principles of Islamic solidarity, tolerance, and social responsibility, which are deeply ingrained in the fabric of this institution, will guide you in your endeavors to make a meaningful difference in the world. Embrace diversity, cultivate empathy, and strive for excellence in all your pursuits, knowing that you carry the legacy of IUT with you wherever you go.

I extend my sincere appreciation to the dedicated faculty members and staff who have tirelessly supported and nurtured our graduates throughout their academic journey. Your unwavering commitment to excellence has played an instrumental role in shaping the leaders of tomorrow.

I would also like to express my gratitude to the government of the People's Republic of Bangladesh for their continued support and cooperation in furthering the mission of IUT.

As you embark on this new chapter of your lives, seize every opportunity, embrace every challenge, and let your light shine bright as beacons of hope and progress in our ever-changing world.

Once again, congratulations to the graduating class of 2024. May your futures be filled with boundless opportunities, and may you continue to inspire positive change wherever your journey may lead you.

Wishing you all the very best in your future endeavors!

**(Hissein Brahim Taha)**



**Dr. Hasan Mahmud, MP**  
পররাষ্ট্র মন্ত্রী  
FOREIGN MINISTER

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



GOVERNMENT OF THE  
PEOPLE'S REPUBLIC OF BANGLADESH  
DHAKA

## Message

I extend my sincere congratulations to all of you on the significant milestone of the 36th Convocation of the Islamic University of Technology (IUT).

To the graduating students, your journey at IUT has been one of dedication, perseverance, and growth. Today marks not only the culmination of your academic endeavors but also the beginning of a new chapter filled with limitless possibilities. I commend you for your hard work, determination, and resilience in reaching this significant milestone. As you step out into the world, equipped with knowledge and skills honed within these walls, I am confident that you will excel in your chosen paths and contribute meaningfully to the advancement of society.

I wish to acknowledge the dedication and commitment of the faculty, staff, and management of IUT. Your relentless pursuit of excellence in education and research has not only shaped the minds of our students but has also positioned IUT as a beacon of academic distinction within the OIC member countries. Your efforts in nurturing the next generation of leaders and innovators are truly commendable, and I thank you for your continued dedication to the university's mission.

As we navigate through the complexities of the modern world, characterized by rapid technological advancements and global challenges, I am confident that the education and training you have received at IUT have prepared you to address these challenges with confidence and resilience. I urge you to harness your knowledge and skills for the greater good, to be agents of positive change in your respective communities, and to uphold the values of compassion, integrity, and inclusivity in all your endeavors.

In conclusion, I extend my warmest wishes for the success of the 36th Convocation of IUT. May this day be a testament to your hard work and achievements, and may it inspire you to strive for excellence in all your future endeavors.

Congratulations once again, and may you continue to shine brightly as ambassadors of knowledge and goodwill.

Joi Bangla, Joi Bangabandhu  
May Bangladesh Live Forever

(Dr. Hasan Mahmud, MP)



**Mohibul Hassan Chowdhury M.P.**  
Minister  
Ministry of Education  
Government of the People's Republic  
of Bangladesh



মহিবুল হাসান চৌধুরী এম. পি.  
মন্ত্রী  
শিক্ষা মন্ত্রণালয়  
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

Date: 11 June 2024

## Message

Let me begin by extending my warmest congratulations to all the graduating students gathered here today in the 36th Convocation of Islamic University of Technology (IUT). Your unwavering commitment, perseverance, and diligence have led you to this remarkable milestone, and I applaud you wholeheartedly for your outstanding achievements. Your dedication, perseverance, and hard work have culminated in this moment of success, and I commend you for your achievements.

Under the visionary leadership of the Hon'ble Prime Minister Sheikh Hasina, the government of Bangladesh continues to give education highest priority and has set up a number of programmes and initiatives in this sector to achieve the desired level of development of the country. Bangladesh is determined to ensure quality and global standard education in harmony with the changes across the world. For achieving the SDG-4 targets by 2030, an effective and efficient education planning and management is mandatory.

I would be remiss if I did not acknowledge the unwavering support and sacrifices made by the parents and families of our graduates. Your encouragement and guidance have played an indispensable role in shaping the journey of these graduates, and today, we celebrate your contributions alongside theirs.

To the faculty, staff, and management of IUT, I extend my sincere appreciation for your relentless commitment to academic excellence and institutional advancement. Your dedication to nurturing the minds of our students and maintaining the highest standards of education has positioned IUT as a beacon of learning within the OIC member states.

As we look towards the future, it is imperative that we equip our graduates with not only technical skills but also with a strong moral compass and a commitment to uphold ethical values. In an ever-changing world fraught with challenges, it is integrity and honor that will guide you towards success and fulfillment in your respective endeavors.

The government of Bangladesh remains steadfast in its commitment to fostering an environment conducive to innovation and entrepreneurship. We recognize the pivotal role that universities like IUT play in driving economic growth and sustainable development, and we are dedicated to providing the necessary support and resources to facilitate your endeavors.

I am immensely proud of the contributions made by IUT graduates to various sectors across the OIC member states. Your expertise and ingenuity have been instrumental in bridging the gap between industry and academia, and I have no doubt that you will continue to excel as ambassadors of knowledge and progress.

In conclusion, I once again extend my heartfelt congratulations to the graduating students and express my gratitude to the entire IUT community for their tireless efforts in advancing the cause of education and research. The government of Bangladesh stands ready to offer its full support and cooperation in the continued development and success of the university.

Congratulations to the Class of 2024! May your journey ahead be filled with boundless opportunities and unparalleled success.

Joy Bangla, Joy Bangabandhu.  
May Bangladesh live forever!

(Mohibul Hassan Chowdhury, M.P)



**Chairman, Governing Board**  
Islamic University of Technology (IUT)



**Message**

As Chairman of the Governing Board of the Islamic University of Technology (IUT), it is with great pleasure and pride that I extend my heartfelt congratulations to each and every one of you on this momentous occasion of your graduation, marking the 36th Convocation of our esteemed institution.

Today, as we gather to celebrate your achievements, we also reflect on the rich legacy and tradition of excellence that has defined IUT for over three decades. Your dedication, perseverance, and hard work have not only brought you to this significant milestone but have also contributed to the continued growth and success of our university.

As you stand on the threshold of a new chapter in your lives, I encourage you to carry forward the values and principles that you have embraced during your time at IUT. Let the knowledge you have gained, the friendships you have forged, and the experiences you have shared guide you as you embark on the next phase of your journey.

Remember, your education does not end here; it is the foundation upon which you will build your future endeavors. Embrace every opportunity to learn, grow, and make a positive impact in the world around you.

As ambassadors of IUT and the Organisation of Islamic Cooperation (OIC), I have every confidence that you will uphold the highest standards of integrity, professionalism, and compassion in all your pursuits. Whether you choose to pursue further studies, enter the workforce, or serve your communities, I am certain that you will continue to make us proud.

On behalf of the entire Governing Board, faculty, and staff of IUT, I extend our best wishes for your continued success and fulfillment. May the knowledge and skills you have acquired serve as the catalyst for realizing your dreams and aspirations.

Congratulations once again, Class of 2024, on this remarkable achievement. Go forth and illuminate the world with your talents and contributions.

**(Prof. Saleh I. Alqasoumi, PhD)**



**Convocation Speaker:**

Prof. Dr. Mohammad Ataul Karim  
University of Massachusetts Dartmouth, USA

**Message**

June 6, 2024

It's a distinct honor for me to join Professor Dr. Ahmad Kawesa Sengendo, OIC Assistant Secretary General, Professor Dr. Saleh Qasoumi, chair of the Governing Board, Professor Dr. Mohammad Rafiqul Islam, Vice-Chancellor of IUT, Dr. Hasan Mahmud MP, the Chief Guest, the faculty, staff, and most importantly, this year's graduates at the 36<sup>th</sup> Convocation of IUT.

I have come to offer my heartiest congratulations to each one the IUT graduates and their families for their personal journey, sacrifices, and achievements. This journey has benefited from IUT's historic commitments to instill in the students the Islamic values and principles of compassion, ethics, fairness, integrity, justice, mutual respect and social responsibility.

I want to remind the graduates that they haven't yet reached their final destinations but only one of many steps that lay ahead. The future workforce continues to undergo exponential changes fueled by new technologies that are going through their own development particularly in areas such as artificial intelligence, big data, biomedical engineering, cyber security, informatics, Internet of Things, and sensors to meet major global challenges such as those involving carbon sequestration, clean water, climate, food, health and nitrogen cycle.

The drive behind what is in higher education systems is not about the facts learnt but the art of learning which allows the workforce acquiring transferable skills relevant to jobs that exist currently but can be reprogrammed to meet the needs of those jobs that are under development and those that are yet to be understood or created. In the world of tomorrow, no one will be in the driver seat simply because of one's brilliant performance in a long-forgotten exam – but one's place can be guaranteed based only on what one has just contributed and what more can one deliver.

I wish the 36th convocation of IUT much success and a great future for all the graduates.

Sincerely,

Mohammad Karim, Ph.D.,  
Fellow IEEE, Optica, SPIE, InstP, IET, AAIA, BAS  
Professor, Electrical & Computer Engineering



**Vice Chancellor**  
Islamic University of Technology (IUT)



## Message

As we gather to celebrate the 36th Convocation of the Islamic University of Technology (IUT), I extend my heartfelt congratulations and best wishes to all our graduating students. This moment is one of great pride and reflection for us all. Since joining this esteemed institution, I have witnessed remarkable progress and numerous achievements that have solidified our position as a leader in higher education.

Our graduates boast the highest employability rates in Bangladesh and across the member states, and they are consistently accepted with scholarships by renowned universities worldwide. This speaks volumes about the quality of education and the comprehensive development opportunities we provide.

This year, we reached a significant milestone with the accreditation of two of our programs by the Board of Accreditation for Engineering and Technical Education (BAETE), a full member of the prestigious Washington Accord. This endorsement underscores our commitment to global standards in education and highlights the high quality of our programs. Our graduates, making their mark worldwide, are living testaments to our pursuit of excellence, earning accolades and bringing honor to their alma mater.

We are preparing other programs to achieve similar recognition, exemplifying our dedication to continuous improvement. Our adoption of Outcome Based Education (OBE) reflects our forward-thinking approach. By aligning our curriculum with contemporary needs, we ensure our students are not only academically proficient but also equipped with the skills required to excel in their chosen fields.

I urge our graduates to uphold the esteemed image of our university and strive for excellence in all your endeavors. Be true human beings and well-rounded citizens, contributing positively to the Ummah and the global community. Your success is our success, and we are confident you will continue to achieve great heights and make significant contributions to society.

I extend my sincere thanks to H.E. Secretary General of OIC and Chancellor of the University, the Governing Board, the General Assembly, Finance Committee, Academic Council, Administrative and Academic Committee, Industrial Advisory Committees, our dedicated faculty and staff, the host Government of Bangladesh, and the member countries of the Organization of Islamic Cooperation (OIC) for their unwavering support. Together, we have made remarkable strides and will continue to build a brighter future for our university and its graduates.

Long live OIC, long live IUT.

**(Prof. Dr. Mohammad Rafiqul Islam)**



**Pro Vice Chancellor (Acting)**  
Islamic University of Technology (IUT)



**Message**

It is with immense pleasure and a deep sense of pride that I extend my heartfelt congratulations to you all on your remarkable achievements and the successful completion of your academic programs here at the Islamic University of Technology (IUT). This 36th convocation is a testament to your unwavering commitment, hard work, and relentless pursuit of knowledge and excellence. As the Acting Pro-Vice-Chancellor of this distinguished institution, I am honored to witness you reach this significant milestone and embark on the next chapter of your lives.

Your journey to this day has been marked by perseverance, dedication, and a steadfast commitment to your studies in engineering. The knowledge, skills, and expertise you have acquired during your time at IUT are not only a personal triumph but also a beacon of hope for a brighter future. I believe now you are equipped to face the challenges of the world and to contribute meaningfully to the advancement of society.

As your transition from the academic environment to your professional careers, I urge you to embrace the philosophy of lifelong learning and continuous professional development. The field of engineering is dynamic and ever-evolving, and staying abreast of the latest innovations and developments is crucial. By doing so, you will not only maintain your competitive edge but also remain relevant in an increasingly complex and fast-paced world.

In your professional endeavors, I encourage you to approach your work with integrity, responsibility, and a sense of purpose. As engineers, your contributions have the potential to significantly impact society. It is vital that you consider the ethical implications of your decisions and actions, striving always to uphold the highest standards of professional conduct.

Let us also take a moment to recognize and express our gratitude to your families, friends, and loved ones who have stood by you throughout your academic journey. Their unwavering support, encouragements, and love have been instrumental in your success, and they certainly deserve to be a part of celebration of your achievements.

In closing, I want to reiterate how incredibly proud we are of each and every one of you. We have no doubt that you will go on to achieve great things in your careers and make significant contributions to the field of engineering and beyond. You are the future leaders and innovators, and we are honored to have been a part of your journey.

Congratulations once again, and I wish you all the very best in your future endeavors. May Allah SWT guide you and bless you with success, happiness, and fulfillment in all your pursuits.

**(Prof. Dr. Md. Ashraful Hoque)**



**Dean, Faculty of Engineering and Technology**  
Islamic University of Technology (IUT)



**Message**

It is my great pleasure and privilege to convey a message on the auspicious occasion of the 36th convocation of Islamic University of Technology (IUT)-a subsidiary organ of OIC. My heartfelt congratulations to all the graduating students of IUT on this momentous occasion of their graduation. Graduation is not merely a celebration of academic achievements; but also, is a testament to perseverance, dedication, and unwavering commitment to excellence. Throughout the academic journey, IUT has nurtured the ability of the graduates to navigate complex challenges, embrace innovation, and relentlessly pursue solutions that have the potential to change the world.

As you embark on this new journey, I encourage the graduates to remember the values that have been instilled during the time at our esteemed institution: integrity, collaboration, and passion for continuous learning. The engineering profession is one that carries a profound responsibility to society. The work of our graduates will not only shape the landscapes of technology and infrastructure but will also influence the lives of countless individuals and communities. I urge the graduates to remain passionate, adaptable, and innovative. Embrace the unknown, seek out new horizons, and let curiosity guide you towards pioneering discoveries. Every challenge you encounter is an opportunity to grow and make a meaningful impact. Always remember that the engineering community is a global family, and you are now an integral part of this vibrant, dynamic network. The world awaits your contributions, and I am confident that you will rise to the occasion.

Finally, I would like to express my deepest gratitude to the faculty, staff, and your families who have supported and guided you on this journey. Their unwavering support and dedication have been instrumental in your success. Congratulations once again on your remarkable achievement. Go forth with confidence, courage, and a steadfast belief in your ability to engineer a better tomorrow.

**(Prof. Dr. Md. Anayet Ullah Patwari)**



**Dean, Faculty of Science and Technical Education  
Islamic University of Technology (IUT)**



**Message**

On behalf of the Faculty of Science and Technical Education (FSTE), I would like to extend my heartfelt congratulations and best wishes to all the graduates of the academic year 2022-2023 in the occasion of the 36th Convocation Ceremony of Islamic University of Technology (IUT). IUT has established with the objective in developing the human resources of Muslim Ummah of OIC member states in the fields of engineering and technology, business, and technical education. I have no doubt that you will continue to serve as worthy ambassadors of the University by building upon our reputation for excellence and thus fulfilling the objective of the University.

Congratulations all of you for your great achievement and success in your academic journey. We, the faculty members are confident that you have gained the requisite knowledge, tools and insights that will make your new journey of professional careers fruitful and successful with confidence. I believe that the knowledge and skills you acquired will enable you to contribute towards addressing existing and nascent challenges in your communities, regions, countries, and beyond.

Convocation is not only a significant landmark for the graduating students but also a substantial day for IUT. I feel proud to be associated with this University for a long time. This is a time for all of us to celebrate and honor your accomplishments.

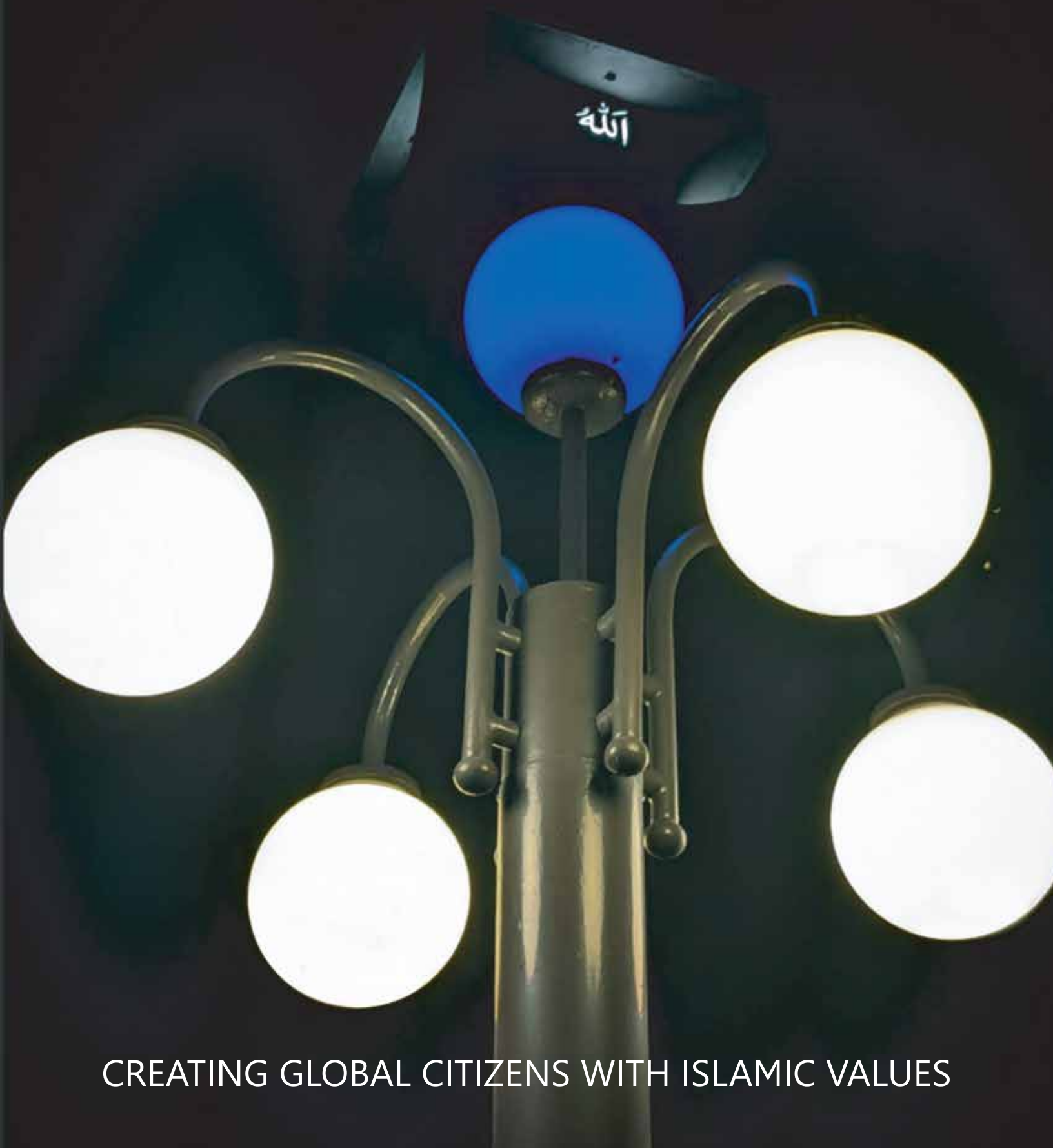
Completing graduation does not mean the end of learning; rather, this is just the beginning. I urge you to continue with scholarly work and use your award to contribute positively to the community. I would like to give special thanks to the parents of our graduates for their patience, sacrifices and support, both moral and financial, during your stay here. I would also like to express my heartfelt gratitude to all the member states of OIC for their continuous support and without them, this University would not be in reality. May the Almighty Allah's peace and blessings always showered upon us.

In the coming years, please serve your communities with compassion, honesty and integrity. I strongly encourage you to join IUT Alumni Association, and to make every effort to support our academic programs and development. I encourage you to keep us updated on your achievements in your careers and personal lives.

Best wishes in your future careers.

**(Prof. Dr. Md. Rezaul Karim)**

# ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)



CREATING GLOBAL CITIZENS WITH ISLAMIC VALUES

# VISION AND MISSION



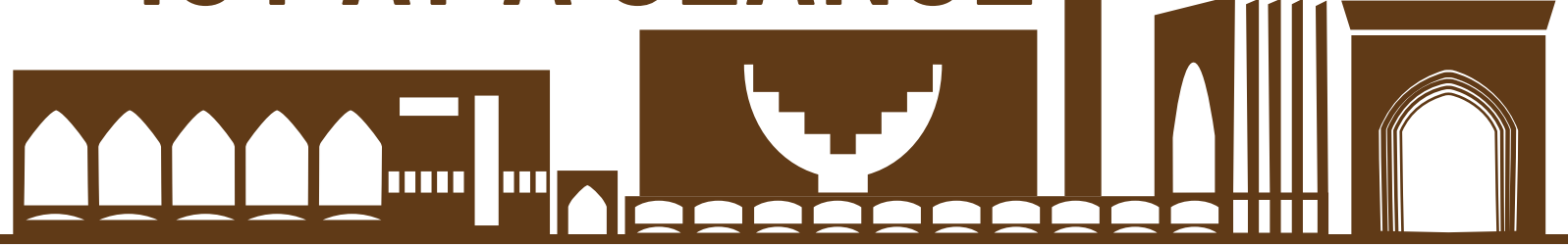
## VISION

- ◆ To be a leading University of Science, Engineering and Technology in the World.

## MISSION

- ◆ Providing education & training of international standard for the youths of the Ummah;
- ◆ Undertaking quality research leading to innovation;
- ◆ Launching cutting-edge disciplines matching the requirements of the member states;
- ◆ Internationalizing through increasing overseas students, staffs and external collaboration.

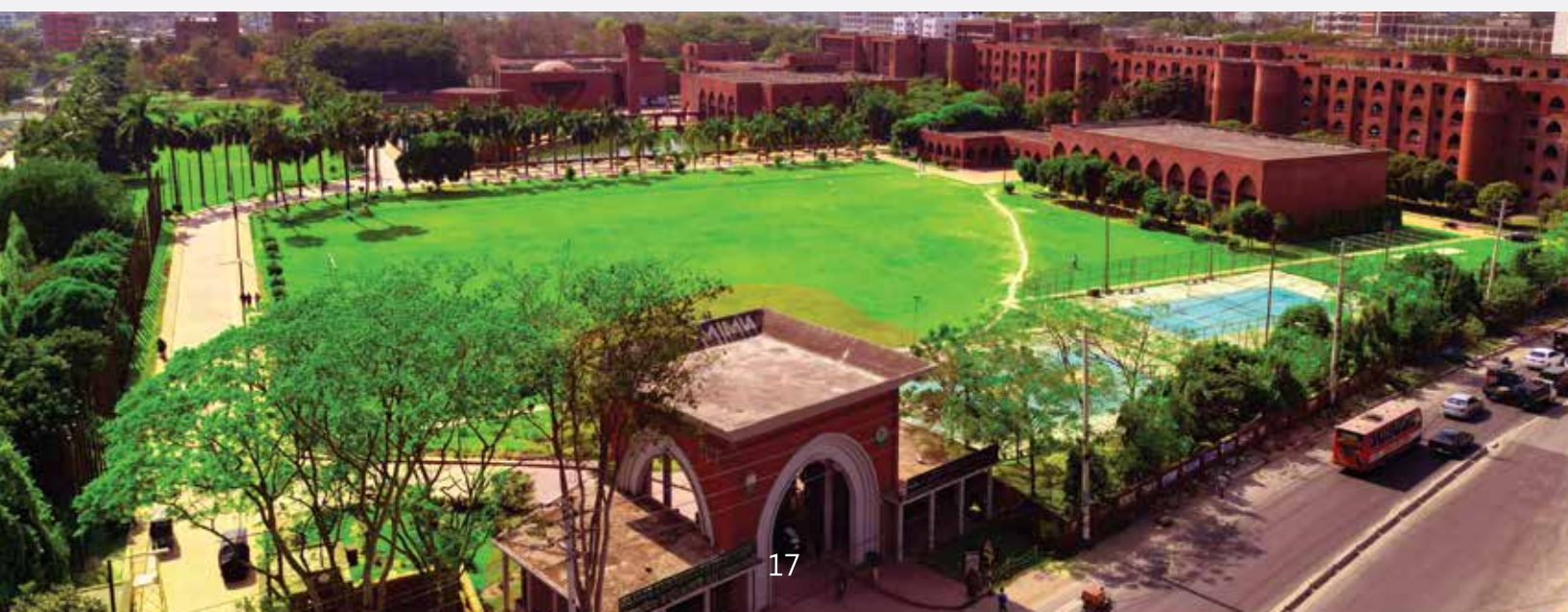
# IUT AT A GLANCE



## BRIEF HISTORY

Islamic University of Technology (IUT) is a subsidiary organ of the Organisation of Islamic Cooperation (OIC), representing fifty-seven member countries from Asia, Africa, Europe, and South America. It is dedicated to the development of human resources of the Islamic Ummah in the fields of engineering, technology and technical education as the most visible demonstration of the Islamic Solidarity and Joint Islamic Action under the Makkah-Al-Mukarramah Declaration. This unique educational institution was initially established as the Islamic Centre for Technical and Vocational Training and Research (ICTVTR) in pursuance of a resolution of the Ninth Islamic Conference of Foreign Ministers (ICFM), held in Dakar, Senegal in 1978. The foundation stone was laid on 27 March 1981 on the 30-acre land donated by the Government of the People's Republic of Bangladesh to the OIC. ICTVTR was renamed as the Islamic Institute of Technology (IIT), by the Seventh Islamic Summit and the 22nd ICFM held in Casablanca, Morocco on 10 -15 December 1994. In appreciation of the activities of IIT, the 28th session of the ICFM was held in Bamako, the Republic of Mali on 25-27 June 2001, renamed IIT as Islamic University of Technology (IUT).

The academic programme of ICTVTR started in 1986 with only three departments (Mechanical & Chemical Engineering, Electrical & Electronic Engineering, and Instructor Training & General Studies) and 65 students, offering Higher Diplomas in Mechanical and Electrical Engineering and Diploma in Technical Education. In the course of time, IUT added new departments and expanded its academic programmes. At present, IUT has two faculties and seven academic departments and 2900+ students coming from more than 20 Member States of the OIC. Currently, it offers Diploma, Bachelors, Masters and Doctoral programmes. There is ever-increasing demand on IUT for admission of more students from the Member States. To meet the demand, IUT expanded its physical facilities, adding a new academic building, modernizing the existing laboratories, and set up new laboratories.



# IUT at a glance

## REGULAR ACADEMIC PROGRAMMES

**IUT has two faculties and seven academic departments:**

- ◆ Faculty of Engineering and Technology (FET)
- ◆ Faculty of Science and Technical Education (FSTE)

**The following departments are under the Faculty of Engineering and Technology (FET)**

- Department of Mechanical and Production Engineering (MPE)
- Department of Electrical and Electronic Engineering (EEE)
- Department of Computer Science and Engineering (CSE)
- Department of Civil and Environmental Engineering (CEE)

**The following departments are under the Faculty of Science and Technical Education (FSTE)**

- Department of Technical and Vocational Education (TVE)
- Department of Business and Technology Management (BTM)
- Department of Natural Sciences (NSc)

## PROGRAMME OFFERED

### FACULTY OF ENGINEERING AND TECHNOLOGY

**Programmes offered by**

**Department of Mechanical and Production Engineering (MPE)**

- Doctor of Philosophy in Mechanical Engineering
- Master of Science in Mechanical Engineering
- Master of Engineering in Mechanical Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Industrial and Production Engineering

**Programmes offered by**

**Department of Electrical and Electronic Engineering (EEE)**

- Doctor of Philosophy in Electrical and Electronic Engineering
- Master of Science in Electrical and Electronic Engineering
- Master of Engineering in Electrical and Electronic Engineering
- Bachelor of Science in Electrical and Electronic Engineering

**Programmes offered by**

**Department of Computer Science and Engineering (CSE)**

- Doctor of Philosophy in Computer Science and Engineering
- Doctor of Philosophy in Computer Science and Applications
- Master of Science in Computer Science and Engineering
- Master of Engineering in Computer Science and Engineering
- Master of Science in Computer Science and Applications
- Bachelor of Science in Computer Science and Engineering
- Bachelor of Science in Software Engineering

**Programmes offered by**

**Department of Civil and Environmental Engineering (CEE)**

- Doctor of Philosophy in Civil Engineering
- Master of Science in Civil Engineering
- Master of Engineering in Civil Engineering
- Bachelor of Science in Civil Engineering



# IUT at a glance

## FACULTY OF SCIENCE AND TECHNICAL EDUCATION

**Programmes offered by  
Department of Technical and Vocational Education (TVE)**

Doctor of Philosophy in Technical Education  
Master of Science in Technical Education  
Post-Graduate Diploma in Technical Education  
Bachelor of Science in Technical Education

**Programmes offered by**

**Department of Business and Technology Management (BTM)**

Bachelor of Business Administration in Technology Management



## SEMINARS, WEBINARS AND WORKSHOPS

Besides the regular academic programmes, IUT offers short courses, seminars and workshops as part of its statutory obligations, with the objective of assisting the Member States of OIC in developing appropriate human resources in the area of modern and emerging technologies, upgrading and updating the knowledge and skills of the professionals. Some of the Seminars, Webinars and Workshops organized in the year 2023 are listed below:

Training and Workshops: Outcome Based Education; Writing SAR for BAETE; Quality Education through Effective Teaching; Research Grant Proposal Writing; Scientific Paper Writing for High Impact Journals; Understanding FEA and Application of ANSYS to Solve Complex Engineering Problems; 5S Housekeeping; Youth Leadership Development.

Seminars and Webinars: Creating Impact Out of University Research beyond Academia; Academic Integrity in Research & Avoiding Plagiarism; Converting Thesis Literature Review into a Review Paper; Professional Development Program on Outcome Based Education (OBE); The Future of Manufacturing: Sustainable Products, Processes and Systems; How to lead your Organization into the AI era; Electrical Impedance Using Sparsity Constraints & Statistical Regularization; Accreditation for BBA Programme.

Short Courses: Supply Chain Management Including Blockchain & Industry 4.0; Energy Transition: Clean, Affordable, Sustainable Perspective; Next-generation Cellular Communications: 5G & its Transition to 6G; Machine Learning; Cyber Security for Information Age: Practices and Challenges; Waste-to-Energy Technologies for Sustainable Municipal Solid Waste Management.

Certificate Courses: A two-month long certificate course on Dialogue-based Arabic Language (Basic); A two-month long certificate course on French Language.



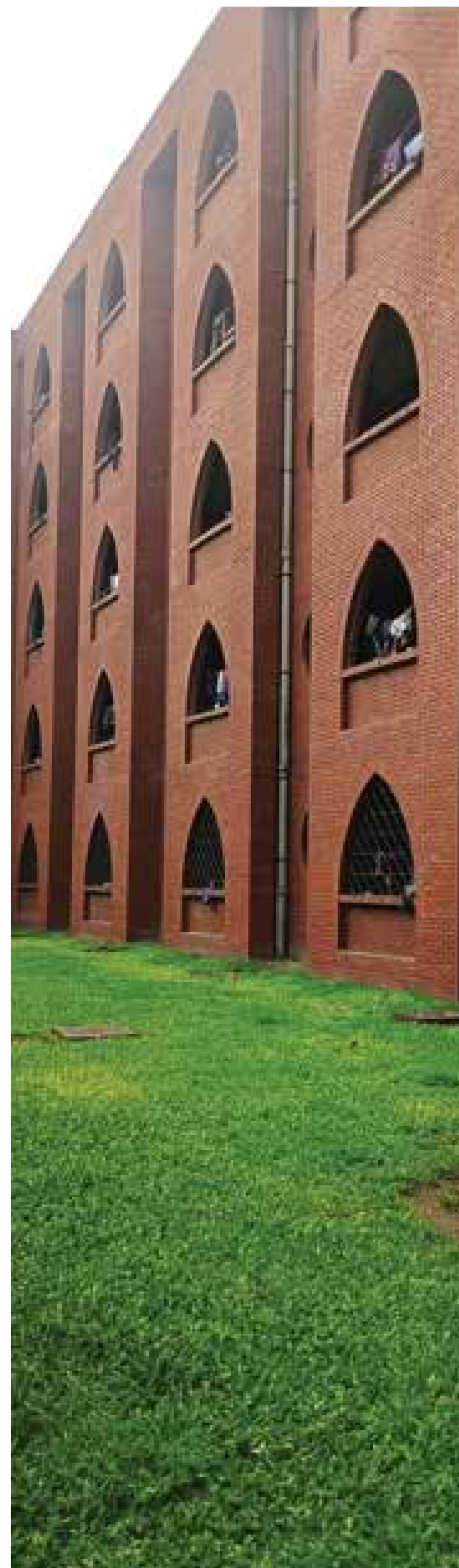
# IUT at a glance

## RESEARCH ACTIVITIES

IUT is focusing its research activities on different branches of Engineering and Technical and Vocational fields. University is trying to be a research-oriented university by developing the research culture within the university. All the departments of IUT are pursuing research in the most demanding fields today. There are many well equipped laboratories in different departments of the university. All the faculty members are involved in applied oriented research. With time, the department's research has diversified into different aspects of engineering and has addressed crucial technological enhancement. The different departments of IUT, through their research, have ventured into the engineering fields with many innovative ideas. Faculty members carry out research activities in the areas of their specializations and regularly publish papers in reputed journals and present papers in local and international conferences. Some of the current research interest areas: Robotics, CIM, CFD, Renewable Energy, Smart Machining, Artificial Intelligence, Industrial Engineering and Management, Medical Electronics, Advanced Power Electronics, Wireless Sensor Network, Bioinformatics, Image Processing and Pattern Recognition, Networking, Natural Language Processing, Human Computer Interaction, Structural engineering, Environmental Engineering, Traffic Safety, Transportation, Solid Waste Management, Geotechnical Engineering, Tunneling, Construction Management & Materials, Competency Based Training Programme, ICT integration in TVE, Social Networking etc. The Department of Research, Extension, Advisory Services and Publication (REASP) provides administrative support for research activities of different departments and consultancy services to industry and other organizations. Department of REASP regularly publishes the bi-monthly Newsletter and other reports as required.

## PHYSICAL FACILITIES OF IUT

The physical facilities of the university include two Academic Buildings, 3 Workshop Buildings, two 5-storied male Dormitory Buildings, 6-storied female dormitory buildings, Student Centre with Gymnasium, 5- storey Common Facilities Buildings, Library, Cafeteria, Central Mosque, Auditorium, Staff Quarters, Laundry and Infirmary. At present, IUT has around 50 laboratories and workshops, which are used for teaching and research purposes. Recently IUT has modernized its existing laboratories and set up new laboratories. The computer centre of IUT is well equipped with many microcomputers. There are a number of servers like Windows based server, Linux based mail server, Proxy server, Authentication server, Web server Radius server Database server and DNS Server, installed for hosting the Web Site of IUT, Library Management System, Result Processing System, Student Information System, etc. A campus wide Optical Fiber Backbone Network has been installed to facilitate high-speed network and internet services to the users. The halls of residences are also connected to this network to provide the students with internet facility. IUT has a fully air-conditioned library with around 52,000 volumes for use of students, trainees, staff, and researchers. Various library functions and services are computerized. IUT subscribes to 96 hardcopy journals, more than 1000 titles e-books and about 5000 online journals. IUT Library has Information and Communication Technology (ICT) Centre, which provides access to different e-resources. ICT centre of library got various kinds of software for skill development and self-learning.





# ARTICLES

# Faculty of Engineering and Technology (FET) A Journey to Engineering Excellence

Prof. Dr. Md. Anayet Ullah Patwari  
Dean, Faculty of Engineering and Technology

In April 2016, the Islamic University of Technology (IUT) embarked on a visionary journey, setting the stage for the establishment of two pioneering faculties: the Faculty of Engineering and Technology and the Faculty of Science and Technical Education. This transformative initiative was set into motion when the university proposed the creation of these faculties during the esteemed 70th meeting of the Academic Council on April 19, 2016.

The proposal, brimming with promise and potential, garnered the unanimous endorsement of the Academic Council. With resounding support, it advanced to the pivotal 14th meeting of the Syndicate on April 21, 2016. Recognizing the profound impact and significance of this endeavor, the Syndicate wholeheartedly embraced the proposal, further solidifying its path forward.

With each milestone marked by unwavering determination and dedication, the momentum continued to build. The culmination of these efforts came to realization during the 41st Meeting of the Governing Board on October 26–27, 2016. It was here that the proposal to introduce the Faculty of Engineering and Technology, alongside the Faculty of Science and Technical Education, received the esteemed approval of the Governing Board.

This historic approval not only heralded the birth of two pioneering faculties but also signaled a new era of innovation, education, and advancement within the Islamic University of Technology. From the seeds of vision planted in April 2016 blossomed institutions poised to shape the future of engineering, technology, and scientific education, leaving an indelible mark on academia and society at large.

## **FET Vision and Mission:**

The Vision of the faculty is "To be a pioneer in Engineering and Technology". At the Islamic University of Technology, the Faculty of Engineering and Technology envisions itself as a pioneer in its domain. This noble ambition finds its validation in the faculty's unwavering dedication to fostering innovation, nurturing interdisciplinary collaboration, and cultivating practical problem-solving skills. By offering cutting-edge education, forging strategic alliances with industry leaders, and spearheading forward-looking research initiatives, the faculty empowers its students to become leaders who shape the landscape of engineering and technology. In essence, this vision serves as a beacon, guiding the faculty towards a future where its impact is transformative and its legacy enduring.

The mission to attain excellence in higher learning in Engineering and Technology through teaching, research, and innovation aligns perfectly with the faculty's vision of pioneering advancements in the field of Engineering and Technology.

By prioritizing education, research, and innovation, the faculty equips its graduates with technical expertise and a global perspective, enabling them to make significant contributions to society and address pressing global challenges. Similarly, the mission to nurture creative and critical thinking within the framework of universal values reflects the faculty's commitment to holistic education. By fostering creative and critical thinking skills alongside universal values such as integrity and empathy, the faculty prepares its students to navigate complex challenges with adaptability and integrity, shaping them into ethical leaders ready to contribute positively to society.

## Departments under Faculty of Engineering & Technology

- Department of Mechanical and Production Engineering (MPE)
- Department of Electrical and Electronic Engineering (EEE)
- Department of Computer Science and Engineering (CSE)
- Department of Civil and Environmental Engineering (CEE)

### Core Values of FET

The Faculty of Engineering and Technology (FET) at IUT is guided by a set of core values that underpin its mission and shape its culture. These values serve as the foundation upon which the faculty operates, guiding its actions and decisions in pursuit of excellence, integrity, and social responsibility. Through a commitment to these core principles, FET strives to create a nurturing and inspiring academic environment where students, faculty, and staff can thrive and contribute positively to society. Below are the core values that define FET's identity and spirit:

**Ummah and Universal Vision:** Fostering a sense of community while embracing a global perspective, promoting unity and collaboration across diverse backgrounds.

**Integrity and Ethics:** Upholding the highest standards of honesty, transparency, and moral conduct in all academic and professional endeavors.

**Quality Education and Quality Management:** Committing to delivering excellence in education through effective management practices and continuous improvement.

**Creativity and Innovation:** Encouraging a culture of exploration, experimentation, and original thinking to drive progress and solve complex problems.

**Teamwork:** Valuing collaboration and cooperation among faculty, staff, and students to achieve shared goals and objectives.

**Staff Development and Attitude:** Investing in the growth and well-being of faculty and staff, fostering a positive and supportive work environment.

**Interpersonal Relationship and Respect:** Cultivating an environment of mutual respect, understanding, and empathy, where all individuals are valued and appreciated.

**Academic Freedom:** Promoting intellectual curiosity and freedom of expression, encouraging open discourse and exploration of diverse ideas.

**Stakeholders Satisfaction and Social Responsibility:** Prioritizing the needs and satisfaction of stakeholders while fulfilling the faculty's responsibility to society through impactful research and community engagement.

**Lifelong Learning:** Embracing a commitment to continuous learning and professional development, empowering individuals to adapt and thrive in a rapidly changing world.

FET stakeholders charter reflects its commitment to provide quality educations of world class standards, and to conduct cutting-edge researches for sustainable development as a drive to produce global citizens in Engineering and technology by integrity and professionalism.

# Faculty of Science and Technical Education (FSTE): A New Era of Education Excellency at IUT

Prof. Dr. Md. Rezaul Karim  
Dean, Faculty of Science and Technical Education

IUT started its new era of education, innovation, and advancement through the establishment of two pioneer faculties, Faculty of Engineering and Technology (FST) and Faculty of Science and Technical Education (FSTE). The proposal of establishment of the faculties was approved in 41st Meeting of the Governing Board on October 26-27, 2016. This historical approval enlightened IUT on its visionary journey to be a leading University of Science, Engineering and Technology in the World. The faculty envisions to be inventor in technical education and business with sound technological knowledge, in line with the vision of IUT, which states in

- Providing education & training of international standard for the youths of the Ummah;
- Undertaking quality research leading to innovation
- Launching cutting-edge disciplines matching the requirements of the member states;
- Internationalizing through increasing overseas students, staffs, and external collaboration.

## **Functions of Dean and Faculty Committee:**

Ass per IRR (Rule 02.24.3), the main functions of the Dean of a Faculty are: recommend the modification of curriculum, evaluate and recommend the course load proposed by the department, recommend the appointment of faculty and staff under approved organogram whenever necessary, recommend the appointment of part-time teachers for the departments, recommend to consider research collaboration, MoU, etc. with any other universities or organizations, evaluation and recommend any kind of financial proposals for approval of university authority and execute any other tasks related to supervision and regulation of the department under the faculty.

There is a faculty committee headed by the Dean in each faculty. The major functions of the Faculty Committee are: to advise the Dean on matters related to governance, administrative and financial oversight, to serve as a forum for discussion of opportunities or issues related to education and research of the faculty, to recommend for consideration to establish any new department or program, to review the budget of each department in each financial year, to recommend the appointment of emergency staff or faculty members on need basis ad ad-hoc, contractual, visiting faculty and to support any other tasks related to supervision and regulation of the department under the faculty.

The Faculty of Science and Technical Education is a multidisciplinary faculty, made up of 3 departments:

- Department of Technical and Vocational Education (TVE)
- Department of Business and Technology Management (BTM)
- Department of Natural Sciences (NSc).

## **Department of Technical and Vocational Education (TVE):**

TVE is the oldest department offering various degrees in TVE and conduct research on the requirements of technical and vocational education of the member states. The department is offering undergraduate programs leading to Diploma in Technical Education (DTE) for graduates of diploma in engineering, two-year Bachelor of Science in Technical Education for graduates of DTE. These two programs will be merged into 3 years Bachelor program in

technical education from the AY 2023-2024. The department is also offering postgraduate degrees, one is two-year Master of Science in Technical Education (M.Sc.T.E.) for graduates of B.Sc. in engineering and B.Sc.T.E. and PhD in Technical Education. TVE department adopted a combination of dynamic and innovative curriculum with latest technologies and vocational pedagogies for the development of necessary skills of the graduates from the department, which are highly recognized in the job markets in the OIC member states. The department also arrange several workshops, shot courses, training courses for the students and professional to uphold the knowledge for practical application.

**Department of Business and Technology Management (BTM):**

The department of Business and Technology Management of Islamic University of Technology aims at developing business leaders having a sound knowledge on both business and technology. Although this department is currently offering Bachelor of Business Administration in Technology Management (BBA in TM), the department is going to offer MBA program in the next year. BTM department regularly arranges seminars, symposiums, skill development programs, meet the industry leaders, festivals and short courses for the students, graduates, and faculty members. The department has an international exchange program with the Emporia State University, USA.

BTM department has been working actively for accreditation from national and international accreditation bodies. The department has already adopted outcomes-based education (OBE) and received membership from "AACSB" in October 2022. The graduates of the department have an excellent demand in the job market with job placement rate is almost 100 percent in different international and national business organizations and industries in Bangladesh and abroad.

**Department of Natural Sciences (NSc):**

The Department of Natural Science (NSc) is dedicated to fostering a dynamic learning environment that empowers students to explore the wonders of Physics, Mathematics, and Chemistry. The curriculum is designed to provide a solid foundation in these fundamental sciences, preparing students for a wide range of exciting career opportunities and advanced studies. With esteemed faculty members, who are the distinguished leaders in their respective fields, the department is involved in teaching the allied courses in mathematics, physics and chemistry in the degree awarding departments in the undergraduate level. The department is equipped with modern laboratories and resources, enabling students to engage in hands-on experiments that enhance their understanding of the subjects.

The faculty is expressing its highest commitment to provide quality educations, indorse highest standards of transparency and honesty in all academic and professional endeavors, and conduct cutting edges research and to make collaboration with institutes and professionals for internationalization and sustainability.

# Activities of the Department of Mechanical and Production Engineering for Academic Excellence

Prof. Dr. Md. Hamidur Rahman, Head, MPE Department  
MPE Faculty and Staff Members

The Department of Mechanical and Production Engineering (MPE) is committed to delivering a high-quality educational experience and conducting state-of-the-art research that addresses the global demand in the fields of Mechanical and Production Engineering. MPE's core curriculum and organizational structure are designed to equip students with the necessary skills to succeed in competitive industries.

## MPE FACTS AND FIGURES



The MPE department is recognized for its excellence in education, offering unique study experiences that make students valuable resources for industry. With 23 faculty members and over 500 students, the department boasts six research clusters and 14 laboratories, indicating a strong focus on cutting-edge research in mechanical and production engineering.

Furthermore, The MPE department encourages students to engage in undergraduate and graduate research, academic activities, and entrepreneurial pursuits. Such initiatives allow students to explore and develop innovations in engineering and science, enabling them to excel as professionals and grow throughout their careers.

The MPE department's commitment to providing a comprehensive educational experience and conducting cutting-edge research is evident through its robust infrastructure and curriculum. The department's emphasis on the practical application of knowledge and innovation reflects its dedication to preparing students for success in the global market.

### **The vision of the MPE department**

"Provide outstanding education and conduct cutting-edge research through continuous striving towards esteemed values and excellence for satisfying global demand in Mechanical and Production engineering disciplines."

## **The mission of the MPE department**

- To produce high-quality graduates for the global mechanical and production engineering Services
- To create knowledge for dissemination through research in mechanical and production engineering by effective and efficient use of state-of-the-art technology
- To develop high-prospective faculty and staff
- To recognize the Creator and Sustainer and inculcate elevated values in order to serve Him and Mankind with the right approaches.

## **Core Values of the MPE Department**

- Integrity and professionalism – Moderation, high moral and ethical values, honesty, truth and justice, professional code, and conduct.
- Scholarship and teaching excellence – scholarly academics, competency-based teaching, meritorious students.
- Partnership and collegiality – respect, teamwork, open-mindedness, fellow feelings, collectivity, worldview, and internationalism.
- Initiative, innovation, and willingness to change – forward-looking, change to better to best.
- Community, environment, and sustainability – services for the Ummah and humanity, effective and efficient use of resources, respect for the environment, and sustainability

## **Objectives of the MPE department**

- To provide mechanical, industrial design, manufacturing, and service industries with competent mechanical (ME) and industrial and production engineering (IPE) graduates.
- To produce effectively educated and trained ME and IP engineers to be able to critically analyze, design and solve problems related to complex engineering systems and products.
- To produce aforesaid engineers' imparting knowledge and skills to solve the present and future mechanical industrial and production engineering problems by applying contemporary methods and techniques.
- To produce graduates acquiring strengths for making technical decisions in the context of the national and global economy, society, and environment.
- To produce graduates capable of delivering information and outcomes using various modes of soft and life-long skills.
- To build confidence in graduates to become self-reliant and imbued with high ethical-moral values to be fully committed to performing professional, social, and community activities.
- To produce, engineers have the strength to perform research and development (R&D) activities to achieve new theoretical and practical findings in mechanical and industrial and production and other related fields.

## **Scope in Mechanical and Production Engineering**

The Department of Mechanical and Production Engineering (MPE) at IUT provides extensive courses in general and specialized mechanical, industrial, and production engineering fields. The department aims to prepare its students for competitive job fields in both academic and industrial sectors. Specialized subjects such as materials and tools engineering, Computational Fluid dynamics, control and automation, clean energy, numerical simulations, and capstone design projects equip students with the necessary skills to cope with industrial contexts.

Mechanical and production engineering involves designing, developing, and fabricating products such as aircraft, missiles, spacecraft, automobiles, thermal systems, power plants, and the control of complex dynamical systems. The Production Engineering field combines Management Science and Manufacturing Technology, offering a comprehensive career spectrum and various specialization options. Production Engineers work in virtually any industry involving products and manufacturing processes, including the automobile, construction, pharmaceuticals, management analysis, research labs, manufacturing, and large industries.

The demand for mechanical and production engineers is not limited to traditional industries but extends to emerging industries such as renewable energy, nanotechnology, and robotics. These industries are growing rapidly

and are expected to create numerous job opportunities in the coming years. Furthermore, mechanical and production engineers are also in demand in the service sector, where they work on designing and optimizing service processes, improving quality, and reducing costs. They can work in the field of logistics and supply chain management, where they optimize the flow of goods and services to reduce waste and improve efficiency.

Mechanical and production engineering graduates can expect a wide range of career opportunities across various industries. The skills and knowledge they acquire during their studies equip them for roles that require problem-solving skills, attention to detail, creativity, and innovation, making them valuable assets to their organizations.

### **Programs under the MPE department**

The university's Department of Mechanical and Production Engineering offers various engineering and technological courses at postgraduate and undergraduate levels. Under the regular programs, the department offers:

- Doctor of Philosophy in Mechanical Engineering
- Master of Science in Mechanical Engineering
- Master of Mechanical Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Industrial and Production Engineering

### **Research Clusters of MPE Department**

The Department of Mechanical and Production Engineering (MPE) has diversified research clusters that conduct research in different fields of mechanical and production engineering.

- Smart Machining and Green Engineering
- Applied Thermal Engineering
- Applied Machine Learning
- Applied Mechanics, Vibration, and Acoustics
- Industrial Engineering and Management
- Structural and functional composite materials

### **Labs and facilities under the MPE department**

With a view to enabling the students to have hands-on experience and to properly understand the applicability of theories taught in the classrooms, the following laboratories and workshops have been established:

- Cezeri Lab
- Thermodynamics
- Internal Combustion Engines, Heat Transfer
- Fluid Mechanics and Machinery
- Refrigeration and Air Conditioning
- Drawing and Design Studio
- Machine Shop
- Foundry, Fitting, Fabrication, and Welding
- Applied Mechanics and Materials
- Mechanical Control and Instrumentation
- Automotive Workshop
- Energy Technology
- Simulation Lab
- Ergonomics Lab
- CAD/CAM Lab



## Overview of the recent MPE department activities

Mechanical Engineering Program gets 4 years accreditation from BAETE: It is with immense joy that we share the news of our Mechanical Engineering program securing a noteworthy four-year accreditation from BAETE. This accomplishment stands as a testament to the firm dedication of our faculty, staff, students, alumni, employers, industrial advisory panel, and well-wishers who have contributed to this success. We extend our sincere appreciation to all contributors for their continuous support, which has played a crucial role in achieving this significant milestone. This achievement fuels our enthusiasm as we reaffirm our commitment to advancing excellence in Mechanical Engineering.



The MPE department regularly organizes workshops and seminars to maintain strong relationships with industries and other organizations. The department conducted 7 seminars, symposiums, and training sessions in 2023-24. The department also values feedback from its stakeholders to continuously develop its curriculum and maintain a high standard relevant to the requirements of the current industries. The MPE Department regularly organizes Industrial Advisory panel meetings, alumni meetings, departmental meetings, syllabus committee meetings, etc.

No.	Topic	Name of the Presenter
1	OBE: Complex Engineering Metrics	Prof. Dr. Zamberi Bin Jamaludin Universiti Teknikal Malaysia Melaka
2	Outcome Based Education model	Prof. Dr Shamsuddin Ahmed Professor, MPE Department, IUT
3	Seminar on Technical Report Writing	Prof. Dr. Zamberi Bin Jamaludin Universiti Teknikal Malaysia Melaka
4	Business Communication: Unlocking Success through Effective Communication Skills	Mr. Tausif Islam Founder & CEO of ANTS, Founder and Managing Partner of Spark Ed
5	Mastering Product Management: Strategies for Success	Mr. Rifat Bin Alam Senior Product Manager, Shikho
6	Meet the Industry Leader	Sufi Mohamed Mizanur Rahman (Founder Chairman, PHP Group)
7	Fire Drill at IUT	Fire brigade and civil defense services

The MPE department successfully hosted the 1st International Conference on Mechanical, Materials, and Production Engineering (IUT-ICMMPE), held on July 21st and 22nd July at the prestigious Islamic University of Technology (IUT) campus, located in Board Bazar, Dhaka. The grand inauguration program commenced on the first day at the esteemed IUT auditorium. Distinguished personalities from the academic and research communities graced the occasion, making it a momentous event. The conference witnessed enlightening talks from renowned keynote speakers, who shared their valuable insights and knowledge with the participants. The event attracted participants from various universities, affiliations, faculties, staff, and students, fostering a vibrant and collaborative atmosphere. The 1st IUT-ICMMPE conference adopted a hybrid model, combining both physical and virtual presentations. This approach ensured inclusivity and allowed researchers from around the world to participate and contribute to the scholarly exchange of ideas.



1st ICMMPPE,2023

The MPE department at IUT prioritizes establishing and maintaining strong and meaningful relationships with industries. The department frequently organizes industrial visits and collaborations, which offer students practical exposure to the authentic challenges and requirements of industries. Recently, the third-year students had the opportunity to participate in an organized and practical full-day industrial excursion to Energypac Engineers Ltd., which is one of the pioneers in Bangladesh's power and energy sectors, located at Ashulia in Dhaka. Such visits allow students to interact with industry professionals, obtain valuable insights into industrial operations, and hone their problem-solving skills.



Energypac Engineers Ltd. Industrial Visit 2023

Additionally, the MPE department actively seeks to collaborate with various industries' Industrial Research and Development teams. The department has initiated several industrial projects with Spectrum Consortium Limited and aims to engage in additional industrial projects with other organizations through the Industry-Academia collaboration framework. Such collaborations provide students with a platform to work on real industry projects, gain practical experience, and acquire industry-relevant competencies.

Furthermore, the MPE department has established international partnerships with different international universities for diverse academic and research activities, offering students opportunities for international exposure and collaborations with their peers.



Meet the industry Leader: Sufi Mohamed Mizanur Rahman (Founder Chairman, PHP Group)

**Short Course on 3D Printing :** The MPE department at IUT is delighted to share the successful completion of a dynamic short course on "3D Printing Using Reverse Engineering Technique" held on the 17th and 18th of November. The course garnered enthusiastic participation from diverse industrial backgrounds, fostering an environment of shared learning and innovation. The participants engaged in an immersive experience covering scanning methods, (FDM) 3D printing, and additive manufacturing techniques. Practical sessions were a key component, allowing participants to apply their knowledge in real-time scenarios.



Short course on 3D Printing Using Reverse Engineering Technique, 2023

## Student Achievements

The students of the MPE department are at the forefront of engineering innovation and competitions across the world. MPE students are actively involved in different activities, some highlighted in this section.

Team Name/ Members	Competition Name	Awards/Position
<b>Team: Gamma Glitch</b> Raian E Rabbani Abdullah Abrar Arafat Ahmed	Nuclear Dilemma 6, by Information Centre on Nuclear Energy, Dhaka (ICONE)	Runner-up
<b>Team Incinerator</b> Nazmus Sakib Ahbabul Hoque Dipto Nazmus Sakib	Autofest 2024 by BUET Automobile club (Assemblaze)	2nd Runners Up (3rd)
<b>Team Formula IUT</b> Farhan Shahriar Hasin Ahmad Zafir Hamedur Rahman	Formula Bharat 2023	2nd Runners Up/3rd
<b>Team: IUT Shongshoptok</b> Abdullah Abrar	CoU BRACNet Inter University Programming Contest 2023	1st Runner Up
<b>Team MicDrop</b> Arfa Wasima Nahin A.H.A Abu Obaida Anjaman Arefin Somit	Agents of Change 2.0	Champion
<b>Team KitCADs</b> Sazidur Rahman Chowdhury Khaja Arjani Ahamed	MindSparks 2023	Champion in Techno-CAD
<b>Team KitCAD</b> Ahsanul Amin Khaja Arjani Ahamed	KUET Ignition 2023	Champion in CAD Contest
<b>CitKAD</b> Ahsanul Amin Rafat Ahmed Evan Khaja Arjani Ahamed	BUET Autofest 2024	1st Runners-up in KitCAD
<b>Team CADzoned</b> Serniabat Wasit Tawassaf Vepouyoum Njouokouo Youssef	MindSparks 2023	Runner-up in Techno-CAD

Team Name/ Members	Competition Name	Awards/Position
<b>Blueprint Beginners</b> Serniabat Wasit Tawassaf Hasin Ahmad Zafir MD. Ibrahim Hossain Khan	KUET Ignition 2023	1st Runner-up in CAD Contest
<b>Blueprint Beginners</b> Serniabat Wasit Tawassaf Hasin Ahmad Zafir Tausif Elahi Khan MD. Ibrahim Hossain Khan	KUET Calibration 2024	Champion in CAD Contest
<b>Serniabat Wasit Tawassaf</b>	BUET IPE Fiesta 2024	Champion in CAD Crosshairs 2.0
<b>Serniabat Wasit Tawassaf</b>	ASME E-Fest Digital 2024	Champion in Technical Digital Poster Competition
<b>Team: IUT FIS Mechanics</b> Raian E Rabbani Abdullah Abrar Shabab Zulkar Nayn Azmain Rashid Raiyan Anjaman Arefin Somit	Physics Brawl 2023	2nd among All-Bangladesh teams;  41st in Open Category Worldwide
<b>Team: IUT_Shongshoptok</b> Abdullah Abrar	ICPC Asia West Competition 2023	19th in Asia-West Region
<b>Rohan Arpon</b>	Speak Out for Engineering (SoFE)  Agents of Change 2.0 Teach for Bangladesh	Runners Up (National Round) 2nd Runners Up
<b>Team Shiba Inu</b>	Hult Prize at IUT	1st Runners Up
<b>Raian E Rabbani</b>	International Astronomy and Astrophysics Competition (IAAC) 2023	Silver Honour
<b>Team Name: The Pitchers</b> Rohan Arpon Md. Safayet Samir M. Abrar Faiyaz Rabbi	Mindsparks 2024 by AUSTIDC (Business Competition)	Runners Up
<b>Team Name: The Pitchers</b> Rohan Arpon Md. Safayet Samir	Beyond The Matrices 1.0 (Business Competition)	Runners Up

Team Name/ Members	Competition Name	Awards/Position
<b>Rifat Bin Kawsar</b>	1. Authorsgate 3.0 byIEEE KUET 2023 Technical Writing Contest 2. ASME IUT E-Mag Article Writing Competition 2024	9th Position in Technical Writing 1st Runner Up in Article Writing
<b>A.G.M. Rafiuzzaman Rafid</b>	1) International Astronomy and Astrophysics Competition 2023 2) Unique Talent category in 2nd International Cultural Event 3) Cinematography category in 2nd International cultural event	1) Silver Honor 2) Champion 3) Second runners up
<b>Team name: Drift dynasty</b> Efazul Islam Araf Ahnaf Ahmad Ehsan Samiul Ayon	Autobot Grandprix by IMeche and IUTAUS	1st runners up
<b>Team name: CADventures</b> Towsif Enam Mohammad Adnan Sami Dinar	Acceleration-2024 by IEEE RAS	Champion in CAD Design (Senior)
<b>Syeda Tahsina Hasan</b>	Authorsgate 3.0 by IEEE KUET SB national technical writing competition	5th position
<b>M. Abrar Faiyaz Rabbi</b>	Pronoia 2024 Intra photography exhibition organised by IUTPS	Honorable mention
<b>Mohammad Khalid Bin Syeed</b> Md. Jawad Rahman Chowdhury Md. Minhazul Islam Hasibur Rahman Syoda Anamika Jahan Abdullah Al Muhid Alvee	Capstone Design Project 2022-2023' organised by the department of Mechanical and Production Engineering, IUT	1st Prize

### Formation of MPE Departmental Chapter under IUTAA

MPE departmental chapter was introduced on 19 November 2023 for strengthening the bond between the department and the alumni of the department. The department held several meetings with alumni of the department. This platform allows for an exchange of ideas, experiences, and valuable feedback from our esteemed alumni, contributing to the continuous improvement and growth of the MPE department.



## Alumni success stories

The graduates of the MPE department at IUT have demonstrated noteworthy accomplishments in their transition to the professional world as engineering graduates. Their exceptional performance has set a high standard in research, industries, corporate sectors, and entrepreneurship. MPE graduates have diversified their careers by pursuing higher education at distinguished engineering universities in the USA, Canada, Australia, Germany, and other European countries.

Furthermore, MPE alumni have established a strong foothold in pioneering industries such as Walton, Unilever, Avery Dennison, British American Tobacco, Bangla Cat, Chevron, Nestle, Banglalink, Shiko, Pran-RFL, Audi, BMW, Toyota, Singer, Energy Pac, and government power plants. They have assumed various roles in research and development, product design, process optimization, quality assurance, project management, and leadership positions.

Moreover, several MPE graduates are serving as faculty members in prestigious national and international universities, imparting knowledge and skills to the next generation of engineers. The accomplishments of MPE alumni illustrate the quality of education and training imparted by the MPE department at IUT, the commitment of its faculty members, and the university's determination to provide high-quality education and training to its students.

In essence, the MPE department at IUT has a proven record of producing accomplished graduates who have made significant contributions to various sectors in Bangladesh and beyond. The achievements of MPE alumni attest to the excellence of the department's academic programs, the dedication of its faculty members, and the university's unwavering commitment to providing exceptional education and training to its students.

## Conclusions

The Department of Mechanical and Production Engineering at IUT offers a comprehensive curriculum and state-of-the-art facilities that enable students to acquire the necessary knowledge and skills to excel in the field of engineering. The department's faculty members are highly experienced and dedicated to providing students with a high-quality education, emphasizing practical and theoretical aspects of mechanical and industrial production engineering.

Students pursuing their studies in the Department of Mechanical and Production Engineering at IUT can expect extensive training in materials and tools engineering, computational fluid dynamics, control and automation, robotics, clean energy, numerical simulations, Artificial Intelligence, and capstone design projects. The department offers basic and advanced topics tailored to each student's track, whether in Mechanical Engineering or Production Engineering.

Graduates of the department are equipped with the necessary skills and knowledge to succeed in a wide range of industries, including aerospace, automotive, energy, and manufacturing. Additionally, many graduates pursue further education at top universities worldwide, while others continue to work as faculty members or entrepreneurs. Overall, the Department of Mechanical and Production Engineering at IUT provides students with the ideal platform to pursue a fulfilling and rewarding career in engineering.



# Department of Electrical and Electronic Engineering: Innovating for Knowledge and Sustainable Progress

Prof. Dr. Mohammad Rakibul Islam, Head, EEE Department  
EEE Faculty and Staff Members

Established in 1998, the Electrical and Electronic Engineering (EEE) department stands as one of the founding pillars of the Islamic University of Technology (IUT). Since its inception, the department has flourished, now boasting an enrollment of approximately 600 national and 120 foreign students across its undergraduate (UG) and postgraduate (PG) programs. As the largest department within IUT, it plays a pivotal role among OIC member states in nurturing a cadre of skilled engineers primed for the challenges of the 21st century, epitomized by the advent of the fourth industrial revolution – Industry 4.0.

The faculty of the EEE department is a testament to its commitment to excellence, drawing talent from renowned institutions across the globe, including the USA, Canada, Japan, South Korea, KSA, and prestigious Bangladeshi universities like BUET, RUET, and IUT itself. Guided by this distinguished faculty, the department's mission is clear: to cultivate engineers equipped with a robust foundation, impeccable design acumen, and a penchant for cutting-edge research.

Offering a spectrum of programs, including a four-year Bachelor of Science in Electrical and Electronic Engineering, as well as Master of Science and Doctor of Philosophy degrees, the department emphasizes both coursework and supervised research, culminating in a thesis reflective of specialized fields of study.

At the heart of the EEE department lies its state-of-the-art laboratories, outfitted with modern equipment and instruments essential for bridging theory with practice. From Power Systems to Digital Electronics, VLSI to Telecommunication, these labs serve as crucibles for hands-on learning, ensuring students are well-prepared for the rigors of their future careers.

Beyond the confines of academia, both faculty and students alike engage in groundbreaking research across diverse domains such as Power Electronics, Renewable Energy, Biomedical Engineering, and Machine Learning. Their findings, disseminated through peer-reviewed international journals and conferences, contribute to the global discourse on electrical and electronic engineering.

Committed to holistic education, the EEE department organizes an annual industrial training program for third-year students, providing invaluable exposure to real-world engineering challenges. Through visits to prominent industry players like the Ghorashal Thermal Power Station and Bangladesh Telecommunications Company Limited, students glean firsthand insights, augmenting their academic knowledge with practical experience.

With a view to increasing the participation of the students in the research based on optical fiber design, the department of EEE arranged a seminar on "Optical and Structural Fibers and Research Opportunities in Turkiye" on March 1, 2024, at the Islamic University of Technology (IUT) Auditorium, and it was indeed an enlightening and enriching experience for all attendees. The seminar featured a distinguished guest speaker, Dr. Mustafa Ordu, Associate Professor and principal investigator at UNAM-National Nanotechnology Research Center and Institute of Materials Science and Nanotechnology at Bilkent University, Turkiye. Dr. Ordu's insightful speech shed light on the latest advancements in optical and structural fibers and highlighted the vast array of research opportunities available in Turkiye.



Dr. Ordu providing his valuable speech

ESONANCE, one of Bangladesh's largest electrical fests, finds its home within the EEE department. This vibrant event not only elevates the university's standing but also serves as an expansive platform for budding engineers to unveil their ingenuity. Enthusiastic participants, encompassing tech aficionados and innovators, engage in a myriad of competitions, spanning Robotics, Quadcopter Challenges, and Engineering Olympiads. From Quiz Competitions to Rubik's Cube contests, the fest pulsates with intellectual fervor. Additionally, a MATLAB Coding Competition and Project Showcasing add further dimensions to the event's dynamism. Culminating in Poster Presentations, ESONANCE celebrates the convergence of talent from diverse universities.

In addition to their academic achievements, students from the EEE department actively participate in a diverse array of co-curricular activities and research endeavors. Their remarkable successes span various competitions that challenge their engineering acumen, innovative thinking for sustainable development, problem-solving skills, and aptitude for policy formulation. A final year student, Al Mumtahina Arika, secured the first position in the prestigious Huawei Seeds For The Future 2023 which left an indelible mark on the academic and extra-curricular prowess held by the students of the department of EEE. Another student of the EEE department, Sumaiya Tasnim Adiba, emerged as one of the top 20 contestants among the 600 initial applicants in the country round of that competition. She and her team passionately worked for the cause of better community support for the parents of autistic children with their project 'CareMore' and clinched the title of 'Best Project' among all other competing teams. Besides, over the years, the IUT EEE Department has stood as a pillar of support for the IUT Mars Rover Team, guiding its journey towards excellence. In the most recent triumph, the Mars Rover Avijatrik team clinched an impressive 6th place in the esteemed International Rover Challenge 2024. Moreover, they emerged victorious in the Astrobiology Expedition Mission (ABEX) task, affirming their prowess in the realm of extraterrestrial exploration.

Furthermore, the department's dedication to fostering a culture of research among students shines through the myriad of publications in esteemed peer-reviewed journals and international conferences. These scholarly endeavors underscore the department's commitment to nurturing the intellectual growth of its students. Undoubtedly, the department's tireless efforts to shape the engineers of tomorrow are yielding fruitful outcomes, as evidenced by their notable achievements in prestigious international competitions among universities.



Gala Ceremony of Huawei Seeds for the Future 2023



Prize giving of the best project in the Huawei Seeds for the Future 2023



The Mars Rover team holding the Bangladesh flag proudly.

Each year, the EEE department proudly ushers over 150 graduates into the professional realm, equipping them with the skills necessary to navigate the challenges of a global, tech-driven society. Many of these alumni further their academic pursuits at esteemed institutions worldwide, spanning from Purdue University to the University of British Columbia. Across the globe, the alumni of IUT hold esteemed positions in renowned organizations such as INTEL, Google, and the University of Cambridge, showcasing their prowess and contributing significantly to their respective fields. Closer to home, these graduates excel in both private and public sectors in Bangladesh, spearheading advancements in industries ranging from Electrical Power to Telecommunications.

Moreover, the department annually hosts a week-long short course, catering to professionals from OIC member states, focusing on the latest developments in Electrical and Electronic Engineering. Last year's course, titled "Flexible Electronics: Present Status, Key Challenges, and Future Opportunities for IOT and Biomedical applications," attracted a diverse array of participants, underscoring its relevance and impact.

Embodying a vision of global leadership in research and education, the EEE department is committed to excellence, fostering personal growth, and intellectual property creation among its students. Through dynamic curricula aligned with industry needs and robust industry collaborations, the department ensures a hands-on learning experience, preparing graduates for success on a global scale. Driven by a quest for excellence, the department is actively pursuing BAETE accreditation, a testament to its dedication to providing high-quality education through Outcome-Based Education (OBE). This ambitious endeavor is made possible through the collective effort of faculty, students, staff and the unwavering support of esteemed alumni and partnering organizations.

With a steadfast commitment to fostering professionalism, mutual respect, and integrity, the EEE department seeks to not only serve as a valuable member of the Muslim Ummah but also to retain talent for the collective advancement of OIC member states.

# The Dawn of a New Era: AI Advancements and the Future

Mueeze Al Mushabbir, and Ali Abir Shuvro  
CSE Department

Mrs. Santhi, a middle-aged woman from Madurai, India, suffers from Diabetic Retinopathy, a leading cause of blindness. To add to her misery, there is no diagnosis center nearby in that remote Town of Madurai, and she would need to travel far distances just to stand in a never-ending queue of checkup lines at some clinics. This was the situation for many dwellers from Madurai, not to mention other rural areas nationwide, until Google, a renowned tech giant, took an initiative to provide them with the diagnosis they direly needed in their neighborhood, but not with doctors. Even though the trillion-dollar company could afford setting up a clinic with doctors, that's not feasible, considering there are numerous other remote towns to take care of. Instead, they did what they were good at – utilizing technology. They set up a diagnosis center at the heart of Madurai with some simple Retinopathy machines, a technician for that machine, and an AI (Artificial Intelligence) whose job is to provide a preliminary diagnosis based on the image captured from the retinal scan of the patient, consequently saving the time, money, and troubles of the town dwellers.

Much like what is done in Madurai, AI is rapidly transforming the world as we know it, revolutionizing industries and reshaping the way we live and work. The case of Madurai's diagnosis center is just one example of how AI is democratizing access to vital services and bridging the gap between remote communities and advanced technologies. AI is making its mark across numerous domains, from healthcare to transportation, and finance to agriculture.

## For the Betterment

“AI will impact every industry on Earth, including manufacturing, agriculture, health care, and more.”  
– **Fei-Fei Li, a Leading Computer Scientist.**

Taking the example of Madurai even further, Hugh Herr, an American rock climber and an MIT (Massachusetts Institute of Technology) engineer, dreams, as published on a Strategy Business issue by PWC in 2016, of having robotics embedded with the human body — sometimes to mitigate disability and other times to enhance human capability. Being a double amputee himself, he understands the vision and mission of how technology can improve human life and, hereby, justly leads the famous MIT Biomechatronics Lab toward that purpose. Even though Hugh has his focus on enhancement through robotics, AI is not stopping just there. As featured in the issue of January 2017 by MIT Technology Review, with the advancement of drug discovery and gene editing, AI is promising to slow down age, ensure longevity, and provide cures to many diseases we have not been able to hack yet, including the infamous cancer.



Conquering Disabilities Through Technologies  
by Hugh Herr Himself (Source: Strategy Business Issue)

Related to saving lives in extremity, we have recently seen an outburst of fire-hazard incidents around the globe, from Bangladesh to California's Wildfires. Fighting fire is no easy feat, even with dedicated firefighters and the necessary tools, especially when dealing with smoke, which not just limits your breathing but also your vision. Saving trapped people from a burning building, even with a gas mask on, becomes an impossible task when you cannot see in the smoke and cannot wait till it goes away. Reported in the Industrial Designers Society of America (IDSA), a California-based AI team – C-THRU, is trying to put AI to the test and help firefighters in their jobs by giving them vision in smoky areas through laser sensors and Augmented Reality (AR). Not just vision, speech – another important modality likewise, does not come naturally for many of us. Patients suffering from impaired speech or unusual speech patterns face much trouble communicating properly. Many prominent tech companies have started projects, such as Google's Project Euphonia, targeting to resolve this issue with the power of AI and improving the essence of our lives a bit more.

The improvement of human lives through technology comes in other forms as well – the use of automation and how easily it simplifies our lives. In automation, the significant change that anyone can see, albeit more prominent in the Western world, is autonomous cars. With Tesla being one of the big names to pioneer autonomous driving, human drivers can now take a break, deal with dizziness, or even continue their work in the car without meeting casualties. In fact, we do not need to look any further than our home to find a robot system at present. Autonomous room cleaner bots, widely known as Roomba, along with smart homes, now work seamlessly to relieve humans of the monotonicity of mundane chores.

As reported in a recent 2023 blog post by IBM – another tech giant, robotics, AI, and automation can be found even in food production and farming, giving rise to Smart Farming. By analyzing numerous data – from soil to weather to nutrition ratios, and utilizing IoT (Internet of Things),

smart farming aims to increase the quality and quantity of production while minimizing human intervention. Similar outputs and engagement are seen in finance and trading as well. Computers crunching massive amounts of data, analyzing consumer behavior, predicting future trends – these are now becoming common scenarios in business leveraging Data Science.



Concept of Smart Farming (Source: LinkedIn)

## A Cloud in the Horizon?

*"AI is a tool. The choice about how it gets deployed is ours."*  
– **Oren Etzioni, Professor Emeritus of Computer Science.**

It is not all sunshine and rainbows in the AI frontier – the most imminent challenge being job cuts. According to LinkedIn and Fortune, more than 4,600 job cuts have been made since May 2023 to free up resources to hire people with AI experience. According to ResumeBuilder, 38% of companies are likely to have layoffs in 2024, and 4 in 10 say layoffs are due to replacing workers with AI. Forbes, on the other hand, reported how AI can rather be the reason for new jobs, provided we are open to acquiring and updating skills to leverage AI to our benefit. Apart from this, we still need to remember that AI is a tool and thus can be used wrongly in the wrong hands. Similar to drug discovery for untreatable illnesses, AI can be used to produce dangerous viruses, raising ethical and regulatory concerns. Issues like this call for the immediate introduction of governance and regulation for AI so that such events can be prevented aptly.

All in all, whether we embrace it or try to reject it, there is no denying that AI has already made its debut in our modern lives. It is advancing faster than ever, taking next to no time in implementation, adoption, or upgradation. The research on AI will take it further every day, making it an emulation of us. The Guardian released an article titled

"Experts disagree over threat posed but artificial intelligence cannot be ignored" that featured expert opinions on AI. With a bright future and continual improvements, AI can contribute more. To address ethical problems, explainable AI (XAI) is our way out. AI will enhance human-machine collaboration by helping in decision-making and problem-solving. Responsible development and ethical considerations become increasingly important as AI grows more ubiquitous. Stakeholder cooperation will guarantee that AI addresses possible issues and brings about good changes. Used responsibly, AI may be the key to both human progress and future scientific discoveries, promising a revolutionary new era.

"Success in creating AI would be the biggest event in human history. Unfortunately, it might also be the last, unless we learn how to avoid the risks."

– **Stephen Hawking, World-renowned Scientist.**

# Department of Civil and Environmental Engineering: Creating a Resilient Future Through Innovation, Analysis, and Design

Prof. Dr. Hossain Md. Shahin, Head, CEE Department  
CEE Faculty and Staff Members

## Background

Civil engineering, the most ancient discipline of engineering, is responsible for the planning, construction, and upkeep of various public constructions such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, buildings, tunnels, trains, and virtually all other forms of infrastructure. Civil and environmental engineers are responsible for designing future cities and ensuring the development of safe infrastructure. Civil and environmental engineers play a crucial role in protecting the environment and ensuring the availability of freshwater. Their work is particularly important as climate change intensifies natural hazards and impacts the infrastructure we have created.

The Department of Civil and Environmental Engineering (CEE) at the Islamic University of Technology (IUT) commenced instructing exceptionally competent civil and environmental engineers in 2008. The primary objectives of this program are to enhance the well-being of the general public, fulfill the requirements of industry and government, and increase the competitiveness of the local and global economies. As a preeminent research institution, the CEE Department strives for educational and scientific excellence. Since its inception, the department has prioritized enhancing the quality of education through the development of research laboratory facilities, the selection and retention of highly qualified faculty and staff, the encouragement of student participation in extracurricular activities, the collection of employer feedback on alumni, the revision of the curriculum, and collaboration with industry. Structure, geotechnical, water resources and environmental, transportation, and construction management engineering are among the fields covered by the well-rounded, varied courses offered by the Department of Civil and Environmental Engineering.

## Programs Under CEE Department

Department of Civil and Environmental Engineering is offering the following programs in the undergraduate and postgraduate levels:

- Bachelor of Science in Civil Engineering (BSc in CE)
- Master of Science in Civil Engineering (M.Sc. in CE)
- Master of Engineering in Civil Engineering (M.Eng. in CE)
- Doctor of Philosophy in Civil Engineering (PhD in CE)

Bachelor of Science in Civil Engineering comprises 4 years of study consisting of 8 consecutive semesters. The master program in the CEE department comprises 4 semesters, which is awarded based on prescribed course works and research work on a particular field of Civil Engineering under the guidance of a supervisor.

## Strengthening Industry-University Relationship

IUT has been taking measures to promote the future potential of the Muslim Ummah by forming alliances with reputable industries and organizations. Since its founding in 2008, the Department of CEE has already formed several notable collaborations with several influential institutions, companies, and firms. The department cherishes its strong connections with the regional industrial sector, consultants, and organizations. Our graduates, with whom

we still maintain contact, have provided us with significant support in this regard. Our curriculum has been strengthened and fine-tuned using these connections to better meet the evolving technical requirements and advance as a crucial division of a flourishing institution. These are the collaborative projects that the Department of CEE has been awarded by notable national and local organizations:

- A sponsored research/design project by Bangladesh Water Development Board on Cross-Drain Design under National Highway, N1, 2022
- A consultancy project with Musad Engineering & Consultancy in association with TRL, UK in ADB-funded project – IA-6772 BAN: South Subregional Economic Cooperation Dhaka- Sylhet Corridor Road Investment Project- Tranche 1: Road Safety in 2022
- A consultancy project by Nasir Glassware & Tube Industries Ltd. On Residual Strength of Concrete Exposed to Fire Hazard in 2022
- A Memorandum of Understanding was signed with Bashundhara Bitumen to enable lab facility exchange in 2022.
- A sponsored research project by Dhaka WASA on The Soil Mitigation Report for Large Raw Water Transmission Pipeline of Dhaka Environmentally Sustainable Water Supply Project (DWSWSP) in 2021.
- A sponsored research project by the Roads and Highways Department on Review Retaining Wall / Mechanized Soil Earth Wall Design, SASEC Road Connectivity Project -I in 2021.
- A sponsored research project by The National University on A Review of the Structural Design Drawings of ICT Bhavan, Senate Bhavan, Staff Quarter, Officer's Quarter, and Dormitory Building in 2017.
- A sponsored research project by Shah Cement on The Investigation of Cracks in Mat Foundation.
- A research grant against a research project related to The Recycling of Demolished Concrete from The Structural Engineers Limited (SEL). An MoU of this research project was signed on 10 April, 2017.
- A sponsored research project by Bangladesh Steel Re-Rolling Mills Limited (BSRM) on The Utilization of Steel Slag in Concrete as Coarse Aggregate in 2015.
- A sponsored research project by The Structural Engineers Limited (SEL) on The Effect of Different Chemical Admixtures and Sand to Aggregate Volume Ratio on the Workability and Compressive Strength of RMC.
- A sponsored research project by The World Health Organization (WHO) on The Effectiveness of household filtration and solar disinfection in reducing health risks associated with drinking water supply in the coastal region of Bangladesh.
- In December 2014, CEE, IUT signed a "University Collaboration Program" agreement with Citilabs, USA – one of the leading software developing companies in the field of transportation modeling.
- Since September 2014, CEE has been using the latest products of Autodesk in computer laboratories through a university program, in which Autodesk has provided 250 licenses to use their flagship product AutoCAD, which is part of the undergraduate curriculum of CEE, IUT.

In addition to research grants, the department offers consultancy and testing services to various organizations and projects. It enables the department to interact continuously with industries, development organizations, private sectors, and research institutes.

## Research Works

The university's Department of Civil and Environmental Engineering conducts research in a variety of fields, with an emphasis on infrastructure, the environment, and public health. Faculty members undertake innovative research initiatives to develop novel and inventive answers to civil engineering issues and such research works are also essential to higher education. The Department of Civil and Environmental Engineering is at the forefront of initiatives and technologies that have a significant impact on our nation and the global community. In order to cultivate the research-oriented abilities of undergraduate and graduate students in their final years, our proficient and experienced faculty supervises them in a wide range of research laboratories, including the Environmental Engineering Laboratory, the Concrete and Structural Testing Laboratory, the Geotechnical Engineering Laboratory, the Transportation Laboratory, the Hydraulic Laboratory, and the recently introduced Simulation Laboratory. These

facilities are outfitted with sophisticated equipment to undertake high-quality research in civil and environmental engineering field. The university also promotes research at both the undergraduate and graduate levels by provisions of research seed grants to the concerned faculty members. Besides that, the department also received research grants from UK Aid Direct, Bangladesh Steel Re-Rolling Mills Limited (BSRM), The Structural Engineers Limited (SEL), and the World Health Organization (WHO). Overall, research in the Department of Civil and Environmental Engineering at the university is diverse and multifaceted, focusing on issues that are critical to the well-being of communities and the sustainability of the planet. Looking ahead, the department remains committed to pushing the boundaries of knowledge and innovation in civil and environmental engineering. By fostering a culture of curiosity, collaboration, and excellence, the department aims to continue making meaningful contributions towards building resilient infrastructure, preserving natural resources, and promoting the well-being of communities worldwide.



Concrete and Structural Testing Laboratory



Geotechnical Engineering Laboratory





Environmental Engineering Laboratory



Hydraulic Laboratory

### International Workshops/Seminars, Training Programmes

IUT's vision is to become a unique and prestigious multicultural hub of high learning, focusing particularly on engineering, technology, and relevant fields, offering state-of-the-art multi-disciplinary programs and cutting-edge research for sustainable growth of the Islamic world. To fulfill the vision of IUT, the Department of CEE has already performed remarkably by organizing workshops, conferences, short courses, and seminars at the international level. The Department of CEE invites leaders from government and academia to address different engineering perspectives and discuss potential challenges and changes in civil and environmental engineering.

To create a bridge among academicians, practicing civil engineers, and experts, the CEE Department of IUT has the trend of organizing these events at regular intervals. Arranging an international conference in collaboration with

Japan Concrete Institute (JCI) back in 2014 on 'Sustainability, Recycling and Durability of Concrete', international workshops on 'Evaluation, Repair and Strengthening of Concrete Structures' also in 2014 and the international seminar titled "IUT-ACF seminar on Sustainability of Concrete" in December 2017 played a major role in the success of this department. Moreover, short courses on Transportation Modeling in collaboration with CITILABS, the USA in 2015, on Water Quality Management for Sustainable Development in 2016, Recent Advances in Geotechnical Engineering-Part I & II in consecutive years of 2017 and 2018, and a short course on "Constitutive Modelling of Soil & Tunnel Design" in 2019. Between June 29 to July 01 2022, the CEE department organized a 3-day short course on 'Waste-to-Energy Technologies for Sustainable Municipal Solid Waste Management'.



On October 25, 2023, the Department of Civil and Environmental Engineering (CEE) hosted a seminar titled "Anthropogenic Climate Change: Critical Aspects of Climate Negotiation at COP and Bangladesh's Role in Climate Negotiation and Her Journey from Climate Vulnerability to Climate Resilience." The keynote speaker for this event was Mohammad Nazrul Haque, Director (International Affairs) at the Prime Minister's Office in Dhaka, Bangladesh. The seminar attracted students from various academic years and faculties across different departments, providing valuable insights into climate negotiation dynamics and Bangladesh's transition from climate vulnerability to resilience. Subsequently, on November 17, 2023, the Department of CEE organized a seminar focusing on "Air Quality Modelling." This seminar delved into contemporary software tools and strategies for air quality modeling and control mitigation. Dr. Md Munir Hayet Khan, Senior Lecturer in Civil Engineering at the Faculty of Engineering and Quantity Surveying (FEQS), INTI International University, Nilai, Negri Sembilan, Malaysia, served as the speaker for this informative session.

The American Concrete Institute (ACI) IUT Student Chapter embarked on its journey alongside CEE students and faculty advisors from the IUT CEE department on May 04, 2020, amidst the challenges posed by the pandemic. Since then, the chapter has been actively engaged in a range of activities, from hosting insightful webinars to participating in ACI Global Concrete Competitions. With enthusiastic involvement from both national and international participants, the chapter has successfully organized events that have garnered attention and acclaim. With the support and guidance of the CEE department, the ACI IUT Student Chapter facilitated the hosting of the thought-provoking Civil Engineering Intra-Event Admixture series, including Admixture 1.0 online in 2021 and Admixture 2.0 and Admixture 3.0 in person, stimulating intellectual discourse and innovation within the civil engineering community. In September 2023, the ACI IUT Student Chapter effectively hosted Splice 2.0, a key event featuring activities like Recall and Reinforce, Orthographica, and PaperScaper. These activities were designed to facilitate the discovery and enhancement of the hidden talents and skills among CEE students.



For three consecutive years, the active involvement and notable achievements of IUT CEE students have led to the ACI IUT Student Chapter being honored with the ACI University Award in the "Excellent University" category. This award acknowledges universities that demonstrate excellence or outstanding performance in selected ACI-related activities and programs, based on a points system. Furthermore, the chapter recently received the esteemed "Outstanding Student Chapter Award" for 2023 from the American Concrete Institute (ACI), a remarkable accomplishment for its diligent and committed members. This prestigious recognition celebrates chapters that excel in providing avenues for both professional and academic advancement while fostering strong connections with ACI and local chapters.



A remarkable event occurred at the Islamic University of Technology (IUT) on September 22, 2023, as the ACI IUT Student Chapter warmly received esteemed delegates from the American Concrete Institute (ACI). The delegation, led by Prof. Dr. Antonio Nanni, President of ACI, accompanied by his wife Valeria Nanni, and Mr. Bernie Pekor, Director of International Business Development at ACI, made their inaugural visit to Bangladesh. The purpose of their visit was to engage with ACI Student Chapters in the country, which included presentations, Q&A sessions, and a prize-giving ceremony for Splice 2.0. This visit underscored ACI's dedication to fostering knowledge exchange and collaboration with academic institutions in the concrete industry.

On January 26, 2024, the ACI IUT Student Chapter organized a Technical Seminar focused on "Quantum Electric Arc Furnace Technology," with GPH Ispat Ltd as the distinguished guest. Led by members of the ACI IUT Student Chapter, the event catered specifically to 3rd and 4th-year students of the CEE Department at IUT. The seminar featured presentations by industry experts and faculty members on topics including Seismic Risk Assessment, Steel Production, and Career Insights. Additionally, winners of the Quiz Session were granted the opportunity for an Industrial visit to GPH Ispat as a reward.



In September 2023, Asian Paints, a prominent global player in the paint and coatings sector, organized an enlightening industrial visit for members of the ACI IUT Student Chapter. This visit provided aspiring civil engineers with the opportunity to delve into the intricacies of paint manufacturing processes. The visit proved invaluable as it underscored the significance of high-quality coatings in safeguarding structures against corrosion and enhancing their visual appeal. Participants gained firsthand insights into aspects such as paint production, quality assurance practices, and environmental considerations, all of which are fundamental for future civil engineers. This experience highlighted the crucial role coatings play in maintaining infrastructure integrity, making it a truly enlightening encounter for members of the ACI IUT Student Chapter.

The Institute of Transportation Engineers (ITE) IUT Student Chapter embarked on its journey alongside CEE students and faculty advisors from the IUT CEE department on June 02, 2022. This milestone marks a significant opportunity for transportation engineering students to foster connections, expand their knowledge, and advance professionally. The ITE student chapter at IUT will serve as a vital platform, offering access to valuable industry resources, avenues for professional growth, and networking opportunities. Under the guidance and support of the CEE department faculty, students of the IUT ITE chapter are empowered to host their inaugural intra-event, Speedolite 2022.



On February 20, 2024, the IUT ITE student chapter orchestrated a captivating workshop centered around PTV Vissim. Mahmudul Hasan Shovon spearheaded this exclusive session, drawing from his extensive experience in developing intelligent software solutions for transport logistics, traffic planning, and traffic management within PTV. With meticulous detail, Shovon delved into various approaches, offering profound insights into each aspect. Attendees found the session to be highly enlightening, gaining valuable knowledge and perspective on the intricacies of PTV Vissim and its applications.

On August 26, 2022, the Department of Civil and Environmental Engineering organized a seminar on "Waste-to-Energy Incineration" featuring Mr. TAKAHASHI Gen from JFE Engineering Corporation, Japan. Additionally, they inaugurated the "Civil Engineering Lecture Series" with Mr. Rashidul Haque from the Arizona Department of Transportation (ADOT), USA, as the first speaker.



Every year, several faculties attend international conferences in Malaysia, Hong Kong, Brunei and USA. The industrial training program is organized for the 3rd year students as a part of their curriculum. Reputed professional engineers from various fields of CEE attend the industrial training sessions as resource persons, followed by visits to different industries and major construction sites. The students got a chance to do internships in reputable civil engineering organizations like WASA, LGED, PWD, IWM and Roads & Highways Department, Dhaka that offer students the opportunity to apply their academic knowledge to practical situations, gain industry insights, and build professional networks.





## Go Beyond the Classroom

The classroom at IUT merely serves as one of many stepping stones in the educational journey of a student. While students may discover new interests and formulate questions during classes and labs, the most gratifying and beneficial experiences are derived from their involvement in activities outside the classroom. Thus, moving forward while amassing valuable experiences, individuals have achieved great triumphs through their pursuit of knowledge in diverse arenas. CENNOVATION, a national event organized by the Department of CEE aims to unite engineering students to share innovative ideas in the fields of Civil, Environment and Architecture. After a long break since the global pandemic of 2020, this national event marked the return of academic events at IUT, on 10th of March, for the 8th time. More than 600 students from 23 different universities participated in a total of 11 contests related to different aspects of civil and environmental engineering, On the other hand, the various student chapters of esteemed associations have exerted a highly positive influence on the student body, empowering them to thrive and flourish beyond the confines of the classroom. ACI IUT Student Chapter has been honored with the prestigious "OUTSTANDING STUDENT CHAPTER AWARD" for the year 2023 by the esteemed American Concrete Institute (ACI) which is undoubtedly an incredible achievement for the hardworking and dedicated students of the chapter. This prestigious award honors chapters that excel in providing opportunities for professional and academic growth while fostering strong relationships with ACI and local chapters. Formerly it was recognized as the "Excellent University" category which was awarded to Islamic University of Technology for three consecutive years. An insightful industrial visit was also hosted last year for members of the ACI IUT Student Chapter by Asian Paints, a global leader in the paint and coatings industry. On September 22, 2023, a significant event unfolded at the Islamic University of Technology (IUT) as ACI IUT Student Chapter welcomed the esteemed delegates from the American Concrete Institute (ACI) including the President of American Concrete Institute (ACI), Prof. Dr. Antonio Nanni. The purpose of the visit was to engage with the ACI Student Chapters at Bangladesh and so the visit succeeded in highlighting ACI's commitment to knowledge sharing and collaboration with academic institutions in the concrete industry. The ITE (Institute of Transportation Engineers) IUT Student Chapter established one year ago also kept the students engaged through workshops and sessions. Apart from the manifold activities of the student chapters, it is with great pleasure that we announce the remarkable achievement of two illustrious fourth-year students from our esteemed CEE Department, who have emerged as first runner-up in the coveted SDG Policy Challenge 2023 with the project idea of "Solar Power Desalination". The event was organized with the immense effort and partnership of the Swedish Embassy in Bangladesh, ICCCAD (International Center for Climate Change & Development) and Global Gatekeepers.



teams to help them to implement the idea in the future. Our students have also made indelible impressions in sporting events organized inside IUT. Notably, one of our students from second year displayed remarkable talent and determination, emerging as the champion athlete of the 32nd Annual Athletic Competition held on the 17th of February 2024. His outstanding performances in the 5000m, 1500m, 800m, and Pole vault set the standard for excellence in athletics. These accomplishments are a testament to the invaluable role of extracurricular activities in fostering holistic development and cultivating well-rounded individuals.

## Accreditation

The Department of CEE, IUT, is delighted to announce a momentous achievement: the accreditation of our Bachelor of Science program in Civil Engineering (B.Sc. in CE) by the esteemed Board of Accreditation for Engineering and Technical Education (BAETE). This accreditation, granted for a remarkable duration of six years, marks a historic milestone as the first program in Bangladesh to receive such an extended period of accreditation. This significant recognition underscores the relentless pursuit of excellence and dedication to academic rigor demonstrated by the CEE Department. Following a



rigorous evaluation process conducted by a distinguished panel of experts from BAETE, spanning three intensive days from December 13th to December 15th, 2023, our department has been acknowledged for its unwavering commitment to delivering high-quality education. This accreditation serves not only as a testament to the exceptional standards upheld within the CEE Department but also as a reflection of our steadfast dedication to fostering academic excellence and preparing our students for the challenges of the future. It also represents our commitment to consistently raise the standard of education offered, guaranteeing that our courses will always be at the forefront of scholarly innovation and practical application to industry.

## CEE Graduates

Since its inception in 2008, more than 650 students have graduated and more than 12 students have completed post-graduate studies from this department. Nearly all of them are involved in important occupations both overseas and in Bangladesh, and they are all contributing to the benefit of society and the advancement of humanity via their knowledge, skills, and abilities in the disciplines of engineering and technology. Many graduates are pursuing higher education at prestigious universities in Australia, the United States, Canada, Japan and Malaysia including the University of McGill in Canada, the University of British Columbia (UBC) in Canada, Florida International University in the United States, the University of Idaho in the United States, the University of New South Wales in Australia, Virginia Tech University in the United States, The University of Oklahoma in the United States, Dalhousie University in Canada and the University of Colorado Boulder in the United States, Tokoy Institute of Technology in Japan, Universiti Malaya in Malaysia. Furthermore, several are accepted to the Georgia Institute of Technology in the United States and the University of California, Berkeley in the United States.

A significant number of CEE Department graduates are working in academia, with many serving as faculty members at various universities. Twenty-three of the graduates have joined IUT's CEE Department as faculty members. Some of them are now pursuing Ph.D. and master's degrees in renowned universities in Australia, the United States, Canada, and other countries. Moreover, many graduates joined as faculty members in various private universities in Bangladesh. Finally, a few graduates are employed as faculty members and consultants at prestigious universities and organizations abroad such as the University of Technology Sydney in Australia, the University of New South Wales in Sydney Australia, WSP USA, Arcadis USA, and others. A number of our graduates are employed in the country's engineering departments, administrative departments, the Bangladesh Army, PWD, and many ongoing projects of LGED, City Corporation, WASA, RHD, PDB, and others. Furthermore, many of our graduates are also employed in the country's consultation farms like SMEC Bangladesh, DevCon, UK-based TRL, etc. Besides, CEE graduates have prestigious positions in a variety of international corporations as well as private organizations. This year marks the graduation of the 12th batch of CEE graduates, who will hopefully contribute to the area of Civil and Environmental Engineering for the betterment of the country and the Muslim Ummah.

## Future Plans for Development

The CEE department plans to launch a postgraduate program in urban and regional planning, another milestone. The department has already expanded the number of students to 120 that it would accept into two sections. The department also intends to increase staff size and update all of the lab and classroom facilities to make way for these extra students. The department intends to buy a Automatic Soil Compactor Machine, Manually Hand Compactor (proctor and CBR), Cyclic Triaxial Test Setup in the geotechnical engineering lab; Smart Air Quality Monitoring System, Dust Monitor, Noise and Vibration Monitor, Portable Field Meter, UV254 Field Meter, Fourier Transform Infrared Spectroscopy (FTIR), UV-VIS Spectrophotometer for environmental engineering laboratory; Creep Test Setup, Data Loggers, Digital Calorimeter, SEM Specimen Cutting Tools, Concrete Grinding Device for concrete laboratory; High Shear Mixer, Portable Asphalt core drill, Rotational Viscometer for bitumen, Skid Tester, Unheated Asphalt Mixer for transportation laboratory.

The CEE Department is developing a computer lab equipped with cutting-edge software in various fields of civil engineering. Currently, PLAXIS 2022, Citilabs CUBE base, CUBE Voyager, CUBE Analyst, CUBE Avenue, Dynasim, and Auto CAD 2015 have been installed. Furthermore, the department is in the process of purchasing ArcGIS, Water CAD, and other commonly used civil engineering software packages. The Transport Planning and Traffic Engineering Laboratory is utilizing software from TRL, PTV, and Bentley Systems. In addition, a state-of-the-art facility is being developed for Bitumen testing in the Transportation Laboratory. The department is actively seeking partnerships with reputable colleges worldwide. It also organizes seminars and workshops in collaboration with these institutions. The department is committed to achieving the Sustainable Development Goals (SDGs) through its courses and projects. Ensuring a smooth professional journey for its upcoming graduates is a priority for the Department of CEE. To this end, it continuously strives to maintain industry-academia collaborations. The department has established partnerships with top industries in Bangladesh, such as IWM, WASA, PWD, LGED, and R&H. These collaborations provide students with valuable professional experience during their academic life. Additionally, the department has started hosting campus recruiting fairs to facilitate the job placements of graduating students.

To recognize outstanding research and extra-curricular achievements, the CEE department plans to introduce an annual award ceremony for its students. We promote an inclusive atmosphere in CEE at IUT where people from various backgrounds are encouraged to participate and think broadly. The most talented and ambitious students who are committed to excelling and who have a vision of innovation in the service of mankind are warmly welcomed to CEE.

# Department of Technical and Vocational Education (TVE)

Prof. Dr. Md. Shahadat Hossain Khan, Head, TVE Department  
TVE Faculty and Staff Members

## Background

The Department of Technical and Vocational Education (TVE) started its journey as the Department of Instructor Training and General Studies (ITS), which started its first academic program in 1986 along with other two departments- Mechanical and Chemical Engineering (MCE), now Mechanical and Production Engineering (MPE), and Electrical & Electronic Engineering (EEE). The Department is also known as the mother Department of the Islamic University of Technology (IUT) as it is one of the oldest departments among the seven academic departments of IUT. To extend its scope the ITS Department was renamed as TVE Department in 2011. It is to mention here that IUT, a subsidiary organ of the OIC, was established as Islamic Center for Technical and Vocational Training and Research (ICTVTR) in 1981.

## Vision and Mission of the Department

### Vision

- To become a world-class center of excellence for technical and vocational education, training and research to serve the Muslim Ummah

### Mission

- Providing education to produce competent TVET teachers and professionals for the OIC member countries.
- Preparing youths to meet the demand of modern industries to serve the Muslim Ummah.
- Conducting cutting-edge research that is linked with engineering, technical, and further education.
- Improving existing teachers' capacity by offering diverse demand-oriented training.



## Multicultural and Multilingual Learning Contexts

The diverse culture of the Organization of Islamic Cooperation (OIC) is symbolized by the university at large and in particular the TVE department. This is best portrayed in the admission of new students every academic year and the awarding of the OIC Fully-funded Scholarships. These scholarships are awarded on merit and also considering the geographical distribution policy of the university. As of the 2021-2022 academic year, the department admitted sixty (60) students on OIC Fully-funded Scholarships from more than 10 OIC member states, namely: Afghanistan, Bangladesh, Cameroon, Comoros, Djibouti, Egypt, Gambia, Ivory Coast, Nigeria, Somalia, Sierra Leone, Uganda, and Yemen. Students from those member states come with different experiences from their respective countries, thus displaying the Multicultural and Multilingual nature of IUT and OIC at large.

## Programs Under TVE Department

### Undergraduate Program

Bachelor of Science (B.Sc.) in Technical Education (3 Years)

### Post-Graduate Programs

Doctor of Philosophy (Ph.D.) in Technical Education

Master of Science (M.Sc.) in Technical Education

Postgraduate Diploma (PGD) in Technical Education

### Faculty and Staff

Faculty members and staff are not only rich in subject-specific knowledge and skills but also have multi-disciplinary competencies. Among its nine faculty members, five have a doctoral degree from reputed universities abroad, including Australia, Germany, and South Korea, and eight have international experience in post-graduate education and training as well as work experiences. They bring international experiences from Australia, Comoros, Germany, India, the Philippines, Uganda, Nigeria, the United Kingdom (UK), and South Korea, which has enriched our department.



Prof. Dr. Md Shahadat Hossain Khan, Professor, TVE department, IUT was invited to the Labour 20 Summit, representing not only his nation but also making a mark across G20 countries, held in Patna, India.



Prof. Dr. Md Shahadat Hossain Khan, Professor, TVE department, IUT, was awarded an Alumni Support Grant by the Australia Award at Ballroom, Hotel Sheraton, on the 5th of March 2024.

### TVE Graduates

Nothing makes us prouder than being able to talk about the success of our graduates. Students of IUT have a history of achieving their dreams and soaring beyond boundaries. Many of our alumni have gone on to achieve great things after graduating, transitioning across numerous career paths. Many students who earned a degree from the IUT TVE department have continued to make significant contributions to society and achieve high recognition in a variety of fields including TVET in the OIC countries.

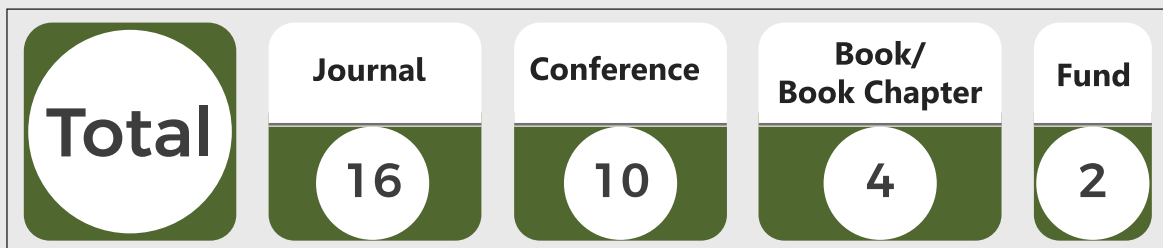
### Research Area

TVE Department is internationally recognized for its expertise in producing theoretically informed, empirically driven, policy-relevant research. Our faculty members carry out research in both national and international contexts within 57 member states of the OIC and beyond. Our post-graduate students are also engaged in research which is supported by the faculty members. Research works have been regularly published in most reputed indexed journals (Web of Science & Scopus) and Indexed conference proceedings and Book/Book Chapters. The figure below shows some research themes (the focus area of research). Priority is given to those themes which are relevant to the needs of individual OIC countries.



Main Research Focus

## Research Outcomes of 8 Faculty Members, 2023-2024



### TVE Alumni Visit IUT

IUT TVE Ex-students congratulated the honorable Vice Chancellor Prof. Dr. Mohammad Rafiqul Islam for introducing BSCTE three-year program in this coming academic year. They also recognized the support from IUT higher administration for improving the quality of the department. Professor Dr. Md. Shahadat Hossain Khan, Head, TVE, Professor Dr. Md Abu Raihan and Prof. Dr. Md. Abdullah Al Mamun were also present in the event.



TVE Alumni

## Research Fund

So far, TVE Department has received several research and developmental grants from several international organizations/ development partners. For, example, our research has been funded and supported by the following generous bodies: the Organization of Islamic Cooperation (OIC), European Union/ILO-funded TVET-Reform Project, Canadian International Development Agency (CIDA)/ILO-funded Bangladesh Skills for Employment and Productivity (B-SEP) Project, World Bank funded Skills and Training Enhancement Project (STEP), OIC-COMCEC, Australian Aid, et cetera.



Main Funding Bodies

## Workshops, Short Courses for Continuous Professional Development (CPD)

In addition to the long regular courses, TVE Department also organizes skill upgrading and knowledge updating short courses, conferences, and workshops at national and international levels every year. Depending on the specific needs and requests of any member country of the OIC, special courses are also arranged at mutually agreed locations and times. Given the university's common objectives, the TVE Department organizes International Workshops each year. For example, this year TVE department will organize an 'International Workshop on Research Methodology in Technical Education in the OIC Member Countries.'

## TVE Department Hosts International Workshop on Research Methodology

The TVE department will host an international workshop on "Emerging Trends and Practices in Research Methodology for Technical and Engineering Education" from 26 to 29 July 2024. The workshop aims to address the issues related to educational development and innovation by providing creative and simplified approaches to help participants understand and apply scientific research methods. Participation of TVET and engineering education stakeholders from OIC member states will enrich the dialogue and contribute to collaborative efforts to advance education and research in these fields.

## Forum Initiative fostering knowledge among faculty and postgraduate students

The Department of Technical and Vocational Education (TVE) continues its commitment to advancing academic discourse and supporting the scholarly journey of its postgraduate students. On 23 February 2024, the department successfully organized the 9th TVE Research Forum where postgraduate students had the invaluable opportunity to share their experiences and challenges encountered throughout their PhD journeys. Under the guidance of PhD supervisors, students received scholarly input and advice tailored to their research endeavours.



Forum Initiative Fostering Knowledge

## Recent on Demand Program

The Department of Technical and Vocational Education (TVE) of the University successfully completed certificate course on Arabic Language (Basic) on 16th February 2024 at CALIS Lab. On that day as a chief guest honorable Vice-Chancellor Prof. Dr. Mohammad Rafiqul Islam, Special guest Pro Vice-Chancellor (Acting) Prof. Dr. Md. Ashraful Hoque. Prof. Dr. Rezaul Karim, Dean faculty of FST and Mr. Md. Shamsuddoha Russell, President IUT Alumni association were presented.



Certificate Awarding Ceremony, Arabic Language

The Certificate Program in Arabic Language is offered to those who are keen to learn more about the Arabic language. This course is designed for a wide spectrum of faculty and staff members of IUT who want to learn the basics to intermediate speakers as well as want to improve their abilities on Arabic Language. The program ensures a comprehensive mastery of the language by covering key elements like grammar, vocabulary, and conversational ability. The course offers a friendly learning atmosphere with an emphasis on practical communication. The course was taught by Brig Gen Shah Alam Chowdhury, Chairman & Chief Instructor, Tasheelul Quarn Academy (TQA) and Co-ordinated by Prof. Dr. Md Shahadat Hossain Khan, Head TVE, IUT. 12 successful candidates received their certificate from the Honorable Vice-Chancellor of IUT.

## Basic English for Supporting IUT International Students to Cope with Higher Education

The certificate awarding ceremony of the foundation course on General English was held on 16 February 2024 at the Digital Library Theatre of the IUT library. The TVE department offered this 8-week online course that was exclusively designed to cater to the needs of the newly admitted international students at IUT for the academic year 2022-2023.



Forum Initiative Fostering Knowledge

A total of 30 students from 10 different OIC member states were awarded certificates in recognition of their dedication and achievement. The event was honoured by the presence of Prof. Dr. Rafiqul Islam, Vice Chancellor of IUT, who attended as the chief guest.

## Co-curricular Activities TVE Day Out, 2024

On the 24th of February 2024, the Technical and Vocational Education (TVE) department of the Islamic University of Technology (IUT) organized a vibrant and successful picnic at the Turag Waterfront Resort, creating a day of joy and solidarity for the 80 participants. Nestled along the banks of the Turag River, the resort provided a beautiful environment for the event, with its lush greenery and peaceful environment setting the stage for a memorable day.

The TVE department arranged a diverse range of engaging activities, fostering a sense of unity and connection among participants. From team-building exercises to friendly competitions, the picnic offered an opportunity for both relaxation and bonding. The honorable Vice-Chancellor of IUT Prof. Dr. Muhammad Rafiqul Islam was present as a chef guest, Prof. Dr. Md Shahadat Hossain Khan, Head TVE department, faculty, and staff members of the TVE department including students were presented over there. Different events were organized by the students of TVE department and prizes were distributed among the winners.



TVE Day Out, 2024

## TVE Department Sporting Achievement AY 2022-2023

In their effort to ensure academic excellence, the administration of the Islamic University of Technology (IUT) regularly organizes different co-curricular activities, including sporting events, offering students the opportunity to practice teamwork and dedication to a collective goal and most importantly displaying team spirit among the teammates

In the 2022-2023 Academic Year, students from the TVE department participated in various sporting events organized by the university such the 32nd Annual Athletic Competition, Interdepartmental Basketball Competition, Interdepartmental Football Competition as well as the Interdepartmental Cricket Competition. Their participation was largely successful. In the Annual Athletic Competition, TVE students were crowned champions in the Relay Race.



Relay Race of TVE student with red headscarf

## Basketball Runners-up

The Interdepartmental Basketball Competition, the TVE team displayed excellent skills by defeating many teams and reaching the final. They ended up as runners-up having fallen to a CSE team with so much firepower. Below is the picture for our Basketball players.



Basketball Runners-up



TVE Football Team - 2023

TVE students participated in the Interdepartmental Football Competition that was held towards the end of 2023. The team swept through the group stages, reaching the semi-finals by defeating all opponents in their group and playing exciting and attacking brand of football during the tournament. Unfortunately, they were unable to make it to the final, accidentally losing 1-0 to EEE team that miraculously survived waves of attack from our players.

But as we all know too well, the best teams don't always win in football. And so, our players had to contend with that reality.

## Conclusion

In conclusion, the TVE Department stands poised at the forefront of academic excellence with its expert faculty members who dedicated to shaping the future of education. With a visionary commitment to expansion, the department aims to transcend conventional boundaries by delving into diverse dimensions such as TVET and University teacher education, ICT Education, Language Education, and Professional Skills Development. This strategic initiative not only reflects a proactive response to the evolving landscape of education but also positions the department as a dynamic force in addressing the skills challenges posed by the Fourth Industrial Revolution (4IR). By embracing these multifaceted approaches, the TVE Department not only ensures the holistic development of its students but also actively contributes to the broader educational paradigm, fostering innovation and adaptability in the face of an ever-changing global landscape that will meet sustainable goal (SDG 4).

# Department of Business and Technology Management: The strategic use of technology and the digital transformation of organizations

Prof. Dr. Md. Abul Kalam Azad, Head, BTM Department  
BTM Faculty Members

Islamic University of Technology (IUT) has been actively participating in human capital development programs in the field of Science, Technology and Business of the OIC Member States for promoting the Islamic World's competitiveness. In the 21st century, science, technology, and business are at the heart of all development activities. It is therefore essential to develop and train the youth. Business and Technology Management (BTM) department of IUT is very much motivated with the same intention and working for the development of Muslim Ummah.

Technology Management is a new field of study that emerged from a need for managers capable of leading business and technology simultaneously. To meet this demand, several forward-thinking national and international institutions including IUT started offering BBA in TM. Students enrolled in such courses learn a variety of skills in technological and business domains. In the context of the end-user (i.e., businesses), BTM department has come to stand for a group of services and tools that enable businesses to plan, manage and deploy their resources better.

The Bachelor of Business Administration in Technology Management in IUT comprises of four years of study consisting of eight semesters of sixteen weeks duration each. The course curricula contain business and technology management-related courses from different disciplines. Moreover, to make the syllabus balanced and complete, courses on social science, Islam, programming, and communications have been incorporated. After completion of seven semesters, the students must undergo an internship program which will enhance their knowledge in industry level.

People often graduate from a technical specialization like Bachelor of Science in Electrical and Electronic Engineering or Mechanical Engineering or Computer Science and Engineering or Civil Engineering or any other specialization and then enroll into an MBA program just to meet the demand. Many organizations require a technical person with an MBA because if a technical person knows management will be the ultimate choice. A similar but different strategy has been adopted to launch the BBA in Technology Management program under the Business and Technology Management department. It is a strong desire that the BBA graduates will learn all the required BBA courses along with different technology courses to cope up the management positions in different technology organizations.

BTM department has started working actively for accreditation from national and international accreditation bodies. From the national level, BTM department initially targets to achieve accreditation from Bangladesh Actitation Council (BAC). For this purpose, the BTM department has already adopted outcomes-based education (OBE). BTM department also arranges seminars and workshops for BAC accreditation on a regular basis. Similar activities have also taken place for international accreditation from Association to Advance Collegiate Schools of Business (AACSB). BTM Department has received membership from "AACSB" in October 2022.

Amongst various activities of accreditation, BTM department already has been working on course file preparation, mission-vision visualization, question moderation, industry-academia collaboration and developed an industrial advisory committee for their valuable comments and suggestions from time to time to enrich the curriculum of BBA in Technology Management Program. At the beginning of each semester, the BTM department organizes a training session on course file preparation.



Certificate of membership from "AACSB"

### Full Scope of Business Technology Management

BTM is a vast field that combines both business and technology. Its scope and functional areas, as defined are:

**Organization Governance:** This is a broad field that covers a host of processes such as strategic governance, tactical governance, compliance and risk management, organization design and change management. It also includes charting out a communication strategy and managing communication resources within an organization.

**Strategic Investment Management:** This sector covers activities related to resource allocation and investments. The business technology manager will be expected to provide technological solutions for managing projects and portfolios, allocate and prioritize technological resources and manage demand for said resources.

**Strategy and Planning:** This includes long-term planning and strategizing to improve organizational performance. From charting out a long-term business technology strategy to creating resource budgets, all of it comes under 'strategy and planning'. It also includes areas such as strategic sourcing, standardization, consolidation, etc.

**Enterprise Architecture:** This combines the fields of technology and business architecture. Essentially, BTM is expected to align an organization's technology architecture with its business goals. It also covers adopting standardized technological processes and allocating assets rationally.

### Activities of the BTM Department

BTM Department organizes seminars and workshops regularly with a view to industry-academia collaboration and accreditation of BTM Department. In the academic year 2022-23, BTM Department has organized 30 events for the students and faculty members. The speakers of the seminars and workshops were from renowned companies and institutions such as Max Group, Daraz Bangladesh, Lafargeholcim Bangladesh Limited, Grameenphone Limited, Unilever Bangladesh, Nestle Bangladesh Limited, bKash Limited, Banglalink Digital Communication Ltd., BERGER Paints Bangladesh Limited, Ananda Group, PRAN RFL Group, Bayer CropScience Ltd etc.



A 'Token of Gratitude' to Dr. Engr. Ghulam Mohammed Alomgir, Chairman, Max Group in the seminar "Meet the Industry Leader."

Engr. Ghulam Mohammed Alomgir, Chairman of MAX Group was the chief guest of this seminar on "Meet the Industry Leader". He is a mechanical engineer from Bangladesh University of Engineering and Technology (BUET) and a veteran entrepreneur. Apart from establishing Max Infrastructure Limited which is by far the largest EPCM solution providing company of Bangladesh, he owns two power plants. He insisted on the skill development of the students and recommended the young generation to work hard and to focus on innovation and entrepreneurship. BTM Department has organized five short courses till now. The first short course was on "Business Analysis with R" and the resource persons were Prof. Dr. Md. Siddiqur Rahman, Chairman, Department of Statistics, Jagannath University and Dr. Md. Abul Kalam Azad, Associate Professor, BTM Department. The second and third online short course was on "Big Data Analytics and Machine Learning" and "Machine Learning" respectively. The resource persons of both short courses were Shahidul Mannan, Head of Data Engineering and Innovation, Mass General Brigham (Partners Healthcare)-largest healthcare organization in New England, Chief Analytics Officer at Human Health Project. Vice President, TTEC Digital and GM of AI Platform products. Boston, MA, USA, and Jahangir Alam, Director of Data Science and Innovation at a pharma company, USA. Mr. Jahangir Alam is a 20-year veteran Data Scientist at Statistician working in Pharmaceuticals Industries in the USA.

The fourth short course was on "Youth Leadership Development-Theme: Islamic Economics and Finance" and the resource persons were Dr. M Abdul Aziz, DG of BIIT, Dr. Mahmood Ahmed, Adjunct Professor, United International University (UIU), Dhaka, Former Director General Islami Bank Training And Research Academy, Dhaka, Dr. Md. Mizanur Rahman, Executive Director, Center for Strategic and Peace Studies(CSPS), Former Director Research, Islami Bank Training and Research Academy (IBTRA), Prof. Dr. Muhammad Fazli Ilahi, Former VC of IUT, Prof Dr Omar Hasan Kasule Sr, King Fahad Medical City, KSA & Secretary General of IIIT, USA and Abdul Awal Sarkar, Currently Director General, Al-Arafah Islami Bank Training and Research Institute. The fifth online short course was on "Big Data Analytics and Machine Learning".



Online Short course on "Big Data Analytics and Machine Learning"

The BTM Department has organized five industry visits till now. The 3rd year students (BTM'20) of BTM Department visited Ha-Meem Group on September 19, 2023. BTM department's students also visited Coca-Cola Bangladesh Beverages Limited and Paramount Textiles Limited, Sreepur, Gazipur in 2022, Polar Icecream in 2019 and Zaber and Zubayer Fabrics Ltd in 2018 to gather practical knowledge about the production process.



Industry Visit in Ha-Meem Group

## Student Achievements

The 32nd Annual Athletic Competition 2024 of IUT: Javelin throw – 1st prize (Sumaiya Sharif Sara: BTM'21).

**Champions and 1st Runner-Up in Biznace segment of Esonance 2023:** Taiyeba Tasneem, Chowdhury Sarjia Faiza, Nuzhat Noumi and Fariha Tasneem from BTM'20 became the champions and Faiyaz Bin Shafiq from BTM'22 along with his team has become the 1st Runner Up of the Biznace segment of Esonance 2023.



The BTM Department Winner of Javelin throw in the 32nd Annual Athletic Competition 2024 of IUT



Champion and 1st Runner-Up in Esonance 2023

Campus Ambassador of Coca-Cola Bangladesh Beverage: Fariha Tasneem from BTM'20 was appointed as the campus ambassador of Coca-Cola Bangladesh Beverage. The Coca-Cola Company created a programme to promote their company named COCA COLA INSPIRE CAMPUS AMBASSADOR PROGRAM.

Siam Ibne Saif joined the finals of the European Rover Challenge 2023 in Poland: Siam Ibne Saif, a student of BTM'19, represented Bangladesh as a member of the Project Altair-Mars rover team and received an international on-site certificate provided by the European Space Foundation. Project Altair has recently participated in the flagship Space Robotics competition, the European Rover Challenge, and has represented our country as the only team from Bangladesh and the second-best team in Asia.

### Champion in Forewarn Disaster Hackathon 1.0:

Mahmuda Nayem and Ishrar Tanzim Anonno from BTM'19 and their team ReliefChain became the Champion in Forewarn Disaster Hackathon 1.0. FOREWARN Bangladesh and the Open Mapping Hub-Asia Pacific introduced the country's first-ever Hackathon on Disaster to drive young minds towards building solutions and bringing innovation towards humanitarian challenges.

**Won Huawei Tech4good Global Competition Online Round 2023:** Tanjim Istiaque Chowdhury from BTM'19, and his team GuildSquad won the Huawei Tech4good Global Competition Online Round. In this global competition, they competed against several teams from Nepal, Malaysia, Sri Lanka, and Maldives. Among them, Tanjim's Team GuildSquad from IUT stood out the best and became the Winner. Moreover, Mahmuda Nayem from BTM'19 and her team's project were elected as the best one in Huawei Seeds for the Future 2023 local round.

**Campus Ambassadors of Pathao:** Tanjim Istiaque Chowdhury from BTM'19 and Samiha Masud from BTM'20 have been appointed as the Campus Ambassadors of Pathao. The Pathao Campus Elevation Program has taken its inaugural cohort of campus ambassadors, chosen from among 14 esteemed universities across Bangladesh.

**Captain of Impulse FC in 2023:** Farhan Muhib Dhruba from BTM'19 became the Captain of Impulse FC, an official football team of IUT. Since the beginning of the Impulse journey, it has gone through some talented managers and captains that led the team amazingly and with passion. To carry on that legacy, in 2023 Farhan Muhib Dhruba from BTM'19 was elected as the captain of Impulse FC.

**Omum Siddique Auyon's journey to Emporia State University in Emporia, Kansas, USA in 2023:** Omum Siddique Auyon from BTM'19 got the opportunity to pursue his fourth year of graduation as a part of 3+1 exchange program at Emporia State University in Emporia, Kansas, USA

**Runners Up in the Admaking Segment of AUST IDC presents Mindsparks 2023:** BTM 20's Nuzhat Islam Noumi and her team "The Pitchers" secured the position of Runners Up in the Admaking Segment of AUST IDC presents Mindsparks 2023.

**Runners Up in the Business Case Competition of AUST IDC Presents Mindsparks 2023:** From BTM'20, Marzan Ayontee, Noor As-Sami Yousufi, Samiha Masud, and Nafisa Alam Toree's "Team 4 Million Dollars" became the Runners Up in the Business Case competition of AUST IDC Presents Mindsparks 2023.

**Bronze Award in the International Blockchain Olympiad 2023:** Mahmuda Nayem and Ishrar Tanzim Anonno from BTM'19 secured the Bronze Award in the International Blockchain Olympiad 2023, among 250+ teams nationwide and 36 national finalists. They represented Bangladesh in the International competition, where 46 countries will gather in the beautiful Netherlands to showcase their blockchain prowess.



Bronze Award in the International Blockchain Olympiad 2023

**The 31st Annual Athletic Competition 2023 of IUT:** 100m sprint - 1st prize (Nasita Binte Nasir: BTM'21), 200m sprint - 1st prize (Nasita Binte Nasir: BTM'21), Javelin throw - 2nd prize (Sumaiya Sharif Sara: BTM'21).

**Champion for two times in the Inter-Departmental Football Tournament March 2022 and November 2022:** The BTM Department became Champion in the Inter-Departmental Football Tournament on March 2022 and achieved an astounding victory on November 7, 2022, in the Inter-Department Football Tournament, retaining the victor's pride from the last Championship. The BTM football team, comprising students from all the current batches (BTM-18, 19, 20, 21) won the finals against CSE with a 1-0 lead.

**Champion of IUT Premier League 2022:** Team BTM KnightWatchmen from BTM Department has become the Champion of IUT Premier League 2022. Tanjim Ahmed Emon from BTM'18 concurrently became the Man of the Final, Player of the Tournament and the Highest Run Scorer. Nasif Omer from BTM'19 exhibited extraordinary performance in bowling and became the Highest Wicket Taker of the tournament.

**1st Runner Up in Grameenphone Skitto Hackathon 2022:** Sumaya Afsana, a student of the BTM'18 along with her team has become the 1st Runner Up in Grameenphone Skitto Hackathon 2022. Skitto Hackathon is a platform for students with diverse skill sets to solve techno commercial problems.

**Champion of Urban Health Innovation Challenge 2021:** Shahriar Kabir Shuvo from BTM'17 and his team became the Champion among 42 teams of Urban Health Innovation Challenge 2021 co-organized by the BRAC James P Grant School of Public Health of BRAC University and World Vision.

**1st Runners-up position in "Banglalink Digital's flagship event Ennovators 5.0":** Sumaya Afsana from BTM'18 and her team have secured the 1st Runners-up position in "Banglalink Digital's flagship event Ennovators 5.0" by completing layers of challenges both individually and with excellent peers.

**1st Position in the Graphics Designing Competition:** Jawadul Islam from BTM'19 secured 1st Position in the Graphics Designing Competition held on the 8th year of the Youth Club of Bangladesh where the members of the club participated spontaneously.

**1st Runner-up in INTERN:** Ishrar Anonno, Aysha Sobhan, Nishat Sabah & Siam Ibn Saif from BTM'19 secured 1st Runner-up position as Team Argonettes 1.4 in 'INTERN'. INTERN is a business case competition arranged by IUT Career and Business Society - IUT CBS.

**Runners-up position in the Tech-Biz Competition, Mindsparks'22:** BTM'19 students' team Tanjim Istiaque Chowdhury, Md Moin Khan, Jawadul Islam Naveed, and Nazmus Sakib Rumman has secured the runners-up position in the business case competition segment of an Inter-University and College Tech-Biz Competition, Mindsparks'22, powered by Walton.

**Best Female Team in Online Pitching Competition:** Saiyara Shabbir Ikra, Afrin Khondokar, Maisha Maliha and Nishat Salsabil Mim from BTM'17 have won the Best Female Team award under the Special category among 20 teams on the online pitching competition which was arranged by Dhaka University Entrepreneurship Development Club - DUEDC.

**Complete Book Publication:** Abidure Rahman Khan Siam of BTM'17 has written a complete book of poetry named "Shopno Dalan". He is very much enthusiastic and passionate about Bengali Literature.

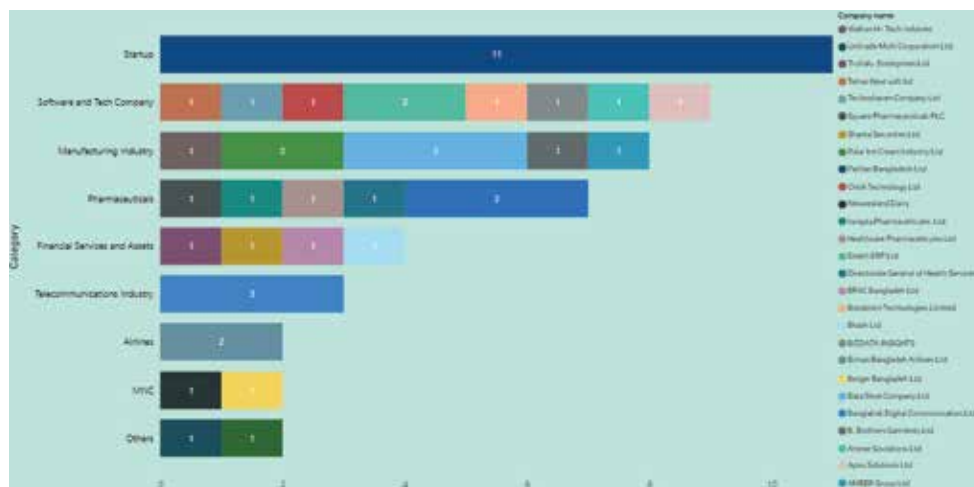
**Gold Honour in IAAC:** Rubaiat Rehman Khan from BTM'17 achieved Gold Honour in IAAC. The International Astronomy and Astrophysics Competition is an international science competition that enables students from all countries to prove their skills and to unleash their creativity in the fields of astronomy and astrophysics.

**100% scholarship of ISCEA:** Mehedi Hasan Ifti, Ishrak Wasif Uday, Ashiqul Bashar and Sabrin Sultana Saba from BTM'18 have received 100% scholarship in a prestigious business case competition of ISCEA presented by PTAK PRIZE GLOBAL CASE COMPETITION 2021.

**Mahmuda Nayem joined the European Rover Challenge in Poland in 2022:** Mahmuda Nayem from BTM'19 was one of the few selected members of IUT Mars Rover - Team Avijatrik, who flew to Poland to join the finals of the European Rover Challenge. The European Rover Challenge is the biggest robotics and space event in Europe addressed to the world of science and business.

**Country Representative of Youth Leaders:** Maisha Maliha Morshed, a student of the BTM'18, has been selected as a country representative of Youth Leaders and has been invited to The Asia Pacific Leaders Summit (APLS) 2022, held in Siem Reap, Cambodia.

### 100% Placements of BTM (3rd Batch) Graduates



Internship Placement of BTM 3rd Batch Students

# Department of Natural Sciences (NSc): Striving for academic excellence

Prof. Dr. Syed Iftekhhar Ali, Head, NSc Department

The Department of Natural Sciences (NSc) is the newest addition to the list of academic departments in Islamic University of Technology (IUT). It was formed on October 12, 2021, under the Faculty of Science and Technical Education (FSTE) in pursuance of the resolution adopted by 43rd meeting of the governing board held on 07-08 February, 2018.

The primary function of the department is to offer Physics, Chemistry and Mathematics courses, both theory and practical, to students of other departments of IUT. Currently, the department has three full-time faculty members and a number of highly qualified part-time faculty members from different reputable universities in the host country.

A unique hands-on experience is offered to the students using the facilities of state-of-the-art laboratories which provide practical demonstration of the theoretical concepts. There are two laboratories in the department - Physics Lab and Chemistry Lab. Laboratories are being regularly updated with new equipment and instruments, consistent with the dynamically revised course curricula.



Physics Lab



Chemistry Lab



The NSc department is dedicated to becoming a world-class educational platform and making valuable contributions to the member states of OIC. To this end, the department is committed to fostering a culture of professionalism, mutual respect, accountability, engagement, and integrity, which will enable us to attract and retain top talent in support of the member states of OIC.

# Department of Research, Extension, Advisory Services, and Publications (REASP): Pathway to Research Excellence

Prof. Dr. M. Ahsan Habib, Head, REASP Department

The Islamic University of Technology is basically an educational and research institution. The main objective of the University is to help generally in human resources development in Member States of the OIC, particularly in different fields of engineering, science, technologies, and technical and vocational education. The Department of Research, Extension, Advisory Services, and Publications (REASP) has been established to strengthen the research wing of IUT. This department aims to promote engineering research and technical cooperation, exchange technological know-how, and provide advisory, extension, and consultancy services to OIC member states and international organizations. Under the guidance of both Vice-Chancellor, Prof. Dr. Mohammad Rafiqul Islam, the Department of REASP is doing many activities to enhance research in IUT.

## **REASP Vision:**

- A distinctive research culture for conducting cutting-edge research for the sustainable development of the Islamic world.

## **REASP Mission:**

- To provide unique research facilities and support to undertake research work on current issues and thereby create new knowledge on different disciplines of engineering, technology, and technical education for societal development.

## **REASP Objectives:**

Department of Research, Extension, Advisory Services and Publications (REASP) was established in June 1998 as a research wing of IUT. The goal of this department is:

- To promote engineering and technical & vocational education research by coordinating the post-graduate research activities of the academic departments.
- To promote technical cooperation between IUT and other academic and non-academic institutions of OIC Member States, including the host country Bangladesh in the field of science and technology.
- To disseminate technical know-how to educational and engineering institutions and industries by organizing seminars, symposia, workshops, and short courses.
- To provide advisory and consultancy services to various organizations, particularly industries.
- To publish journals, periodicals, newsletters, reports, bulletins, books, etc.

## **REASP Functions/Activities:**

### **IUT Research Seed Grants (IUT RSG):**

The Department of REASP announced a research grant based on cutting-edge research areas, considering the Science and Technology agenda of the OIC and the sustainable development goals of the UN. This initiative, introduced in 2021, aims to foster a research culture among faculty and students at IUT. The purpose of the IUT Research Seed Grants is to provide funding to IUT faculty to advance their disciplinary and multidisciplinary knowledge, contribute to global sustainable development, publish in high-impact journals, present at prestigious conferences, and gain experience for future external funding applications.

### **Incentive for Journal publication and Conference participation:**

To encourage faculties and staff to get involved in active research works in addition to their regular academic duties, some form of incentive will certainly impart additional momentum to their activities. When the research outcomes are published in a well-reputed peer-reviewed journal, it increases the visibility of the researcher and the University in general. Moreover, IUT always finances the faculty members for attending a conference/ seminars/ symposiums/ workshops worldwide.

### **Plagiarism Policies and Plagiarism Awareness Program:**

Academic integrity is academia's moral code or ethical policy in learning, teaching, and research at the university level. One of the most common and unintentional violations of academic integrity is plagiarism. For this reason, IUT has recently established plagiarism policies for both undergraduate and post-graduate theses. In this perspective, IUT has purchased and distributed the licenses of plagiarism software (Turnitin) to all the faculties, post-graduate and final-year undergraduate students so that everyone can save themselves from this serious academic misconduct. Moreover, an advanced language editing tool facility is available in the IUT library for students that will help them to reduce spelling, grammar, punctuation, clarity, engagement, and delivery mistakes.

### **Post-graduation Studies:**

The Department of REASP organizes regular meetings of the Committee for Advanced Studies and Research (CASR) to support and look after the Post-graduate Programmes in Engineering, Technology, Technical Education, and coordinate activities among the Departments of IUT. The current administration of IUT has reconstructed the CASR committee for better outcomes from the post-graduation research. Moreover, recently many post-graduation study rules have been updated to improve the study.

### **Consultancy Services:**

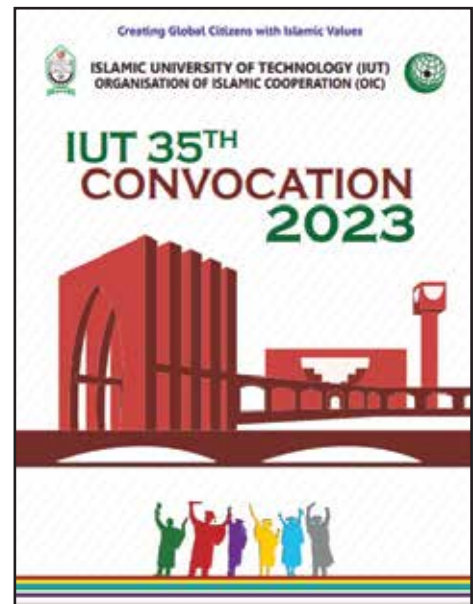
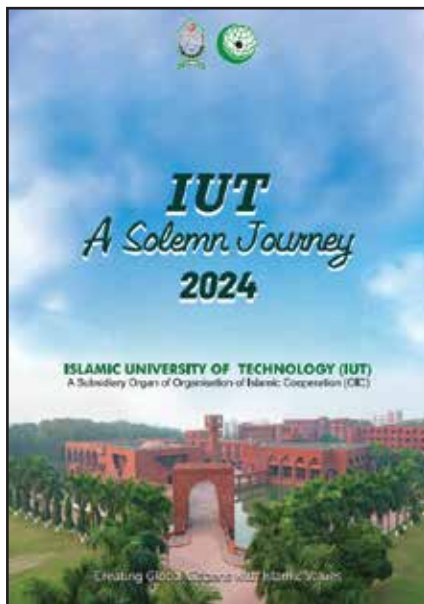
REASP provides professional consultancy services as IUT has a pool of outstanding faculty members with comprehensive experience and international reputation who may act as advisors or consultants in any OIC member state in the area of their competence. Some expertise areas are as follows-

- **Mechanical and Production Engineering Department (MPE):**  
Renewable and sustainable energy resources & technologies, Fuel processing technology & CO2 capturing systems (CCS) in power plants, Fluid mechanics & heat transfer processes and Applied Thermal Engineering, Computational fluid dynamics (CFD) modeling in industrial applications, Refrigeration and Air-conditioning, Automotive, Industrial and Production Engineering, CAD/CAM, Instrumentation & Control Engineering Management, Aerodynamics, Nanofluid, Composite Materials, Mechatronics & Robotics, and Total Quality Management.
- **Department of Electrical and Electronic Engineering (EEE):**  
Energy, Electro-Machines, Power Systems, Medical Electronics, Power Loss Minimization, Machine Learning, Microwaves, Converter, Biosensor, Optical Communications, Broadband Application, Signal Transmission, LTE HetNets, 4G/5G Cellular Technology, Vehicle-to-Everything (V2X) communication, Narrow Band-Internet of Things (NB-IoT), Control Systems and Instrumentation, Cognitive Radio Network (CRN) System, Digital Recordings.
- **Department of Computer Science and Engineering (CSE):**  
Micro-Computers, Information Technology, Machine learning, D2D communication, Mobile Wireless Sensor Networks, Acoustic sensor networks, Facial expression recognition, Real-Time Cost-Effective Computer Controlling systems, smartphone sensors, Deep Neural Networks, Microprocessors, and Computer Hardware Maintenance.

- **Department of Civil and Environment Engineering (CEE):** Building Design, Bridge Design, Road Design, Pavement Design, Tunnel Design, Concrete Material and Strength Tests, Soil Material and Strength Tests, GIS environmental modeling, Water resources management, Traffic safety, Solid waste management, Ground Treatment, Slope Stability, Retaining Structure.
- **Department of Technical and Vocational Education (TVE):** Human Resources Development, Effective Teaching Learning, Distance Learning, Competency-Based Training & Assessment (CBT&A), Competence Modelling and Measurement, Employability Skills, Professional development in Engineering Education, and TPACK framework and Online teaching.
- **Department of Business and Technology Management (BTM):** Smart Machining Processes, Computer Integrated Manufacturing, Halal tourism, Food Technology, Industrial Biotechnology, Plant Biotechnology, Bio-resource Utilization, Micro-finance. Global-finance, E-Commerce Marketing and Management, and Financial Modelling.

### Publications:

The publication is one of the major activities of the department of REASP. The department is responsible for publishing IUT Newsletter, Convocation Special Brochure & News Bulletin, Academic Catalogue, Student Rules Regulation, Wall calendar & Diary, Short Course, Workshop & Seminar Flyer, Event Brochure and Booklets, Student Guide, Sports Souvenir, IUT Promotional materials.



IUT Newsletters

# The Office of Students' Welfare (OSW)

Prof. Dr. Md. Abu Raihan  
Head, Office of Students' Welfare

## Introduction

The Office of Students' Welfare (OSW) plays a crucial role in supporting the overall well-being and holistic development of students within the University. Its functions and activities encompass a wide range of services to ensure that students have a positive and enriching academic experience. A students' body ensures the welfare of the students' community by creating an environment conducive to study at IUT. Through successful organization of the said programs, the student's welfare association can develop creative minds and unleash the students' leadership potential. The association also provides a forum for students to communicate with the university administration. The purpose of the association is to learn to apply discipline in the relevant areas mentioned in this constitution and to develop leadership qualities among the students of IUT based on Islamic principles. IUT OSW has been working to act as a channel of communication between the students and the University authority, to facilitate a conducive academic environment in the University, to develop leadership qualities among the students of IUT, to promote the intercultural relations and welfare of students, to encourage student societies, sports and social activities, to organize different co-curricular and extra-curricular activities for and on behalf of the students, and to provide an opportunity for the expression of student opinion within the University. Students are encouraged to reach out to this office for support and guidance throughout their academic journey.

## Vision and Mission of OSW

The formation of the welfare association, imbued by the values and spirit of Islam, is expected to usher in a more conducive environment maintaining harmonious relationships within the University and providing an amicable and effective means to further improve the available facilities with a view to achieving the academic excellence in a holistic manner and thereby help meet the statutory objectives of the University.

The vision of the Office of Students' Welfare of IUT is to create a supportive, inclusive, and enriching environment that empowers students to thrive academically, personally, and professionally. The vision encompasses a holistic approach to student well-being, encompassing various aspects of their lives. The possible vision statement for the Office of Students' Welfare has been defined as: "Our vision of is to be a catalyst for the holistic development and well-being of every student, fostering a vibrant and inclusive community where diverse talents, backgrounds, and aspirations converge. We aspire to create an environment that nurtures personal growth, resilience, and a sense of belonging, enabling students to excel academically and flourish as global citizens. Through innovative programs, empathetic support, and proactive engagement, we aim to empower students to navigate challenges, embrace opportunities, and graduate as well-rounded individuals poised for success in an ever-changing world."

This vision statement reflects a commitment to:

1. Holistic development by recognizing and addressing the multifaceted needs of students, including academic, emotional, cultural, and social aspects,
2. Diversity and Inclusion by fostering an inclusive environment that values and celebrates diversity, creating a sense of belonging for students from various backgrounds,
3. Empowerment by providing resources, guidance, and opportunities that empower students to take control of their academic journey and personal development,
4. Innovation, which embracing innovative approaches and technologies to enhance support services and stay ahead of evolving student needs,
5. Creating global citizenship by cultivating a sense of global talent, encouraging students to engage with the broader world and contribute positively to society,
6. Promoting resilience and well-being, helping students navigate challenges and setbacks with a positive mindset,

7. Community building by creating a vibrant and interconnected community through collaborative efforts with student bodies, faculty, and staff,
8. Proactive engagement by taking an upbeat approach to student welfare by anticipating and addressing emerging needs and challenges,
9. Success preparation by equipping students with the skills, knowledge, and support needed for success in their academic pursuits and future careers,
10. Continuous improvement by committing to ongoing assessment, feedback, and improvement to ensure that the office remains responsive to the changing dynamics of the student population and the educational landscape.

This vision serves as a guiding principle for the Office of Students' Welfare, setting the direction for its mission, goals, and strategies to create a positive and enriching experience for every student within the University community.

### **Responsibilities and services of OSW**

The Office of Students' Welfare of IUT typically plays a crucial role in ensuring the well-being and overall development of students. Here are some common responsibilities and services that such an office might offer:

1. Meeting and counseling services: The OSW meets twice per month for providing counseling services to support students with personal, academic, or emotional concerns.
2. Orientation programs: Organizing orientation programs for new students to help them acclimate to the university environment, understand academic requirements, and familiarize themselves with campus facilities.
3. Accommodation assistance: Assisting the students in finding suitable accommodation in the HoR (Male and Female) of IUT.
4. Health services: Facilitating access to healthcare services and information, including guidance on health insurance, vaccinations, and local medical facilities.
5. Cultural integration: Organizing events and activities to promote cultural exchange and integration among international and students from the host country.
6. Language support: Offering language support services, such as language classes, conversation partners, or resources to help non-native English speakers improve their language skills.
7. Financial guidance: Providing information and resources on financial matters, including scholarships, part-time work opportunities, and budgeting advice.
8. Legal assistance: Offering support and guidance on immigration and visa-related issues, helping international students comply with local regulations.
9. Career services: Assisting students in exploring career options providing guidance on internships, resume writing, and job search strategies.
10. Emergency assistance: Being a point of contact for students facing emergencies, offering assistance and guidance in challenging situations.
11. Student organizations: Supporting and advising student organizations that focus on international issues, cultural exchange, or other relevant topics.
12. Recreational and sports activities: Promoting physical well-being through recreational and sports activities, fostering a sense of community among students.
13. Student advocacy: Representing the interests of students and advocating for their needs within the university administration.
14. Workshops and Training: Providing workshops and training sessions on various topics, such as stress management, time management, and cross-cultural communication etc.

## Extended initiatives of OSW

The future plan of the Office of Students' Welfare at the University may evolve to address emerging challenges, technological advancements, and changing student needs. The potential future plans for the OSW:

1. Digital support platforms: Implementing advanced digital platforms to provide online counseling, support resources, and information, catering to the evolving needs of tech-savvy students.
2. AI-based counseling assistance: Integrating artificial intelligence (AI) tools to provide initial counseling assistance, resource recommendations, and proactive mental health support.
3. Global connectivity: Strengthening global connections by collaborating with international institutions to enhance cultural exchange programs and provide students with more diverse opportunities.
4. Inclusive accessibility initiatives: Expanding accessibility services and initiatives to ensure that all students, including those with disabilities, have equitable access to education and support.
5. Expanded financial literacy programs: Enhancing financial literacy programs to address the changing economic landscape and equipping students with the skills needed for financial independence and success.
6. Holistic wellness programs: Introducing holistic wellness programs that encompass physical, mental, and emotional well-being, fostering a culture of self-care and resilience.
7. Career development technologies: Implementing advanced career development technologies, such as virtual career fairs, AI-driven job matching, and online professional development resources.
8. Personalized learning support: Offering personalized learning support through adaptive technologies, tutoring services, and interactive online resources tailored to individual student needs.
9. Community engagement platforms: Developing online platforms to facilitate community engagement, networking, and collaboration among students, both locally and globally.
10. Real-time emergency response: Implementing advanced communication systems and protocols for real-time emergency response to better assist students facing crises or urgent situations.
11. Eco-friendly and sustainable initiatives: Integrating eco-friendly and sustainable practices into office operations, events, and initiatives to contribute to environmental conservation and awareness.
12. Continuous feedback mechanisms: Establishing continuous feedback mechanisms to gather input from students, ensuring that the office remains responsive to their evolving needs and concerns.
13. Data analytics for student support: Leveraging data analytics to identify trends, patterns, and areas for improvement in student well-being, allowing for more targeted support and interventions.
14. Collaboration with student bodies: Strengthening collaboration with student organizations to amplify the impact of welfare initiatives and create a more unified and supportive University community.

## Conclusion

The functions and activities of the Office of Students' Welfare are huge and may vary based on the University's policies, student demographics, and specific needs of the student population. However, the goal of OSW is to create a supportive and inclusive environment that contributes to students' holistic development during their academic journey. The future plans of OSW will be flexible and responsive to the dynamic nature of the student population, technological advancements, and societal changes. Regular assessment and adaptation will be crucial to ensuring that the Office of Students' Welfare continues to meet the diverse needs of students in the years to come.

# A Report from the Office of Accreditation and Quality Assurance (AQA)

Prof. Dr. Md. Tarek Uddin, PEng.  
Professor, CEE and Head, AQA

## Introduction

In the 21st century, global development has been emphasized by innovation through science and technology. Therefore, it is essential for the Islamic world to march forward in the right speed with the contemporary developed or fast developing countries. Thus, it is indispensable to educate IUT students with breadth and depth of knowledge of the relevant subjects as well as skills related to application or use of modern equipment or tools or software. Islamic University of Technology (IUT) was established by the Organization of Islamic Cooperation (OIC) to attain this paramount goal.

As per the aspiration of the OIC member states, IUT is also looking forward to become a unique and prestigious multicultural hub of higher learning in engineering, technology and relevant fields through offering of the state-of-the-art multi-and-inter-disciplinary programs and cutting-edge research for sustainable development of these states and the world. It is essential as its graduates will play pertinent roles for solving complex engineering and technological problems. As the global problems are becoming more and more complicated, therefore, it is obligatory to take steps to enhance the present status of IUT through quality education and research. Therefore, IUT implemented outcome based education (OBE) via problem-based learning (PBL).

IUT recognizes that accreditation is a mandatory requirement for mobility of its graduates globally. IUT took initiatives to get accreditation of different academic programmes from local and international bodies. In 2024, the accreditation of Bachelor of Science in Civil Engineering (B.Sc. in CE) program was renewed for a period of six years. In 2017, the same program was accredited with grade A (the highest possible grade) for a period of five years by the Board of Accreditation for Engineering and Technical Education (BAETE), a body recognized by the Washington Accord in Bangladesh. The B. Sc. in ME program was also accredited by BAETE for a period of four years in 2024.

The OIC Strategic Agenda 2026, Astana 1-11, 2017 focused on many issues including quality education, science and innovation, skill development, sustainability, wellbeing of the society, quality of higher education and research, etc. The OIC 2025 – Programme of Action also focused on science, technology, and innovation, protection of environment, capacity development, institutional reforms, etc. of the OIC Member states. The Charter of the OIC has also covered sustainable socio-economic development. The United Nations (UN) has formed a blueprint for peace and prosperity for people and the planet for now and into the future through 17 Sustainable Development Goals (SDGs) related to society, economy, wellbeing, and environment. IUT is an international university established for the capacity development of the OIC member states and beyond. Therefore, IUT needs to take initiatives to fulfill the policies as specified in OIC Strategic Agenda 2026, OIC 2025 – Program of Action, OIC Charter, and SDGs of the UN. For this reason, Office of Accreditation and Quality Assurance (AQA) was reformed in September 2020 so that quality of education can be ensured through implementation of OBE and getting accreditation from Board of Accreditation for Engineering and Technical Education (BAETE) and Bangladesh Accreditation Council (BAC).

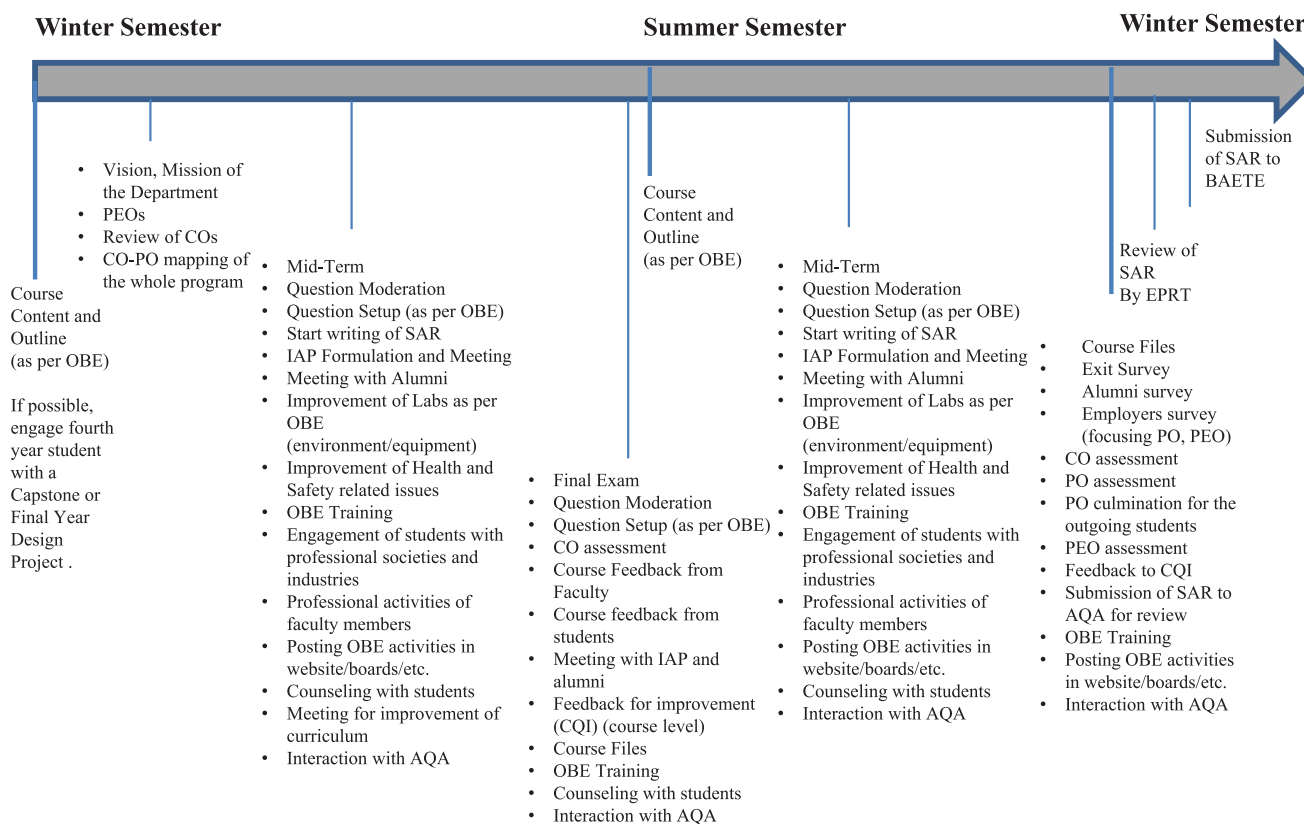
## Formulation of QAC, AQA and SAC Committees

The Office of Accreditation and Quality Assurance (AQA) was reformed in September 2020 with a goal to establish and ensure quality culture in the university benchmarking with other local and internationally reputed universities. To ensure quality education in an effective and efficient way, three committees, such as Quality Assurance Committee (QAC), AQA Committee, and Self-Assessment Committee (SAC) were formed. Since the reactivation of

AQA in September 2020, a draft manual related to Quality Assurance was prepared; the shortcomings related to the quality education and accreditation were identified and circulated in the departments. The whole team (QAC-AQA-SAC) is working for establishing quality education in IUT and subsequently accreditation of different programs of IUT. In the meantime several training programs covering outcome based education (OBE), knowledge domain with Bloom's taxonomy, different outcome of OBE, such as course outcomes (CO), program outcomes (PO), and program educational objectives (PEO), assessment tools for outcome, attainment of outcomes, importance of interaction with industries, writing self-assessment report (SAR), modern teaching-learning method, complex engineering problems, complex engineering activities, open-ended activities in lab, health and safety issues in laboratories and offices, etc. were carried out.

### Roadmap with Activities Related to OBE and Accreditation

A roadmap (as shown in the Figure) with OBE related activities over a period of one year (Winter Semester and Summer Semester) was prepared and circulated among the AQA-SAC members. This roadmap with activities will help the programs for preparing of SAR and submission to BAETE for accreditation. As per this roadmap, the programs are preparing themselves for accreditation based on OBE based curriculum, teaching-learning activities and assessment, etc.



Roadmap for accreditation of different programs

## Current Status of OBE Implementation

Currently all programs of IUT are following OBE framework. The faculty and staff members are giving utmost efforts to implement OBE related activities. In curriculum, departments had introduced Capstone Project/Final Year Design Project (FYDP), Open Ended Lab Course, Complex Engineering Problems and Activities. Feedback forms (students, faculty members, alumni, employers) were developed. For assessment of courses, rubrics were also developed. The B. Sc. in CE program and B. Sc. in ME program got accreditation from Board of Accreditation for Engineering and Technical Education (BAETE). The other department (EEE, CSE) are also preparing the SARs for their programs. Training Programs on OBE and Accreditation

A significant number of training programs was arranged for the faculty members to make them familiar with outcome based education (OBE). With the help of AQA, the departments were also organized different OBE based programs in the respective departments.

## Concluding Remarks

The following concluding remarks can be made on the status of OBE implementation in IUT:

- OBE based teaching-learning-assessment was implemented in all programs of IUT,
- Significant numbers of training sessions were conducted by the institutional experts and also experts from outside,
- Health and safety related issues in the campus was improved,
- B. Sc. in CE and B. Sc. in ME programs got accreditation from BAETE in 2024,
- For newly recruited faculty members training sessions on OBE are organized regularly,
- 17 SDGs will be embedded in the each program in the near future.

# IAEC: A Strategic International Initiative to Elevate IUT onto the Global Stage

Prof. Dr. Golam Sarowar  
Head, International Affairs and External Communication (IAEC) Office

The strategic internationalization of a university involves embedding global dimensions across all its facets, encompassing education, research, faculty, and student body. Dr. Knight defines this as the integration of international or intercultural elements into the core functions of higher education. However, in practical terms, it also entails commercializing education and research to compete for top talent globally, thereby enhancing the university's international reputation.

While universities are often considered inherently international, deliberate efforts are required to institutionalize this aspect effectively. Many higher education institutions now prioritize internationalization as a key strategic objective, investing substantial resources in the process. Take for instance the Islamic University of Technology (IUT), a subsidiary of the Organisation of Islamic Cooperation (OIC), which initially boasted predominantly international student enrollment. As demand surged within its host country, Bangladesh, IUT witnessed a shift towards a more local demographic. Consequently, the university's approach to internationalization evolved over time.

Collaborations in academia and research are now paramount for internationalization and knowledge exchange. Initiatives like student and faculty exchange programs, as well as joint dual-degree programs, are gaining popularity. However, such endeavors necessitate mutual understanding and agreement between participating universities. As universities expand in size and scope, the importance of these collaborations only grows, emphasizing the need for dedicated plans and implementation strategies to optimize available resources and fully realize internationalization potential.

Recognizing the significance of internationalization, the Vice Chancellor of IUT established a committee on December 18, 2020, to outline a step-by-step plan for enhancing the university's global presence. Subsequently, the Office of International Affairs and External Communication (IAEC) was formally inaugurated on January 15, 2021, with a vision to elevate IUT's standing on the global stage. The office's missions include bolstering institutional profiles through global partnerships, cultivating a diverse international community, facilitating academic collaborations, and serving as the focal point for internationalization efforts.

Since its inception, the IAEC has been actively engaging with external institutions, facilitating the signing of Memorandum of Understanding (MoUs), and supporting academic departments in forging research collaborations. Notably, it has initiated student exchange programs with multiple universities and is actively pursuing research collaborations.

Moreover, the IAEC provides essential services to international students, including visa assistance and liaison with local authorities. Plans are underway to extend support to newly admitted expatriate students, further enhancing the university's international appeal.

In conclusion, IUT's journey towards internationalization is well underway, guided by the proactive efforts of its administration and the dedicated work of the IAEC. With continued commitment to implementing strategic initiatives, IUT is poised to emerge as a truly global institution.

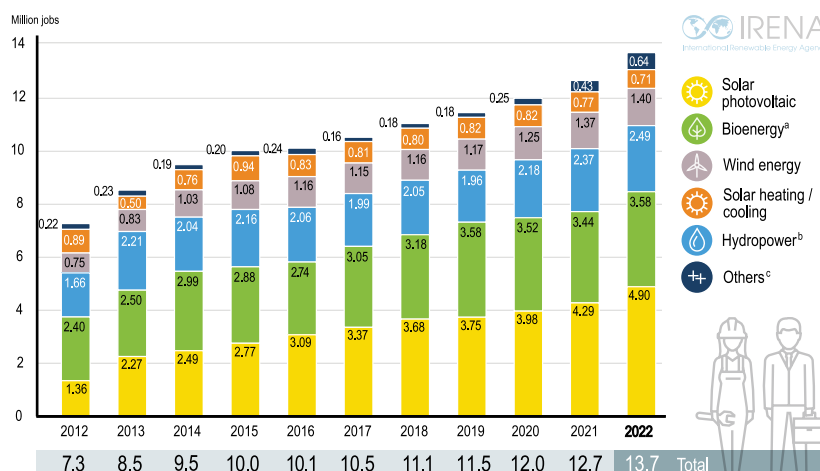


# Green Energy Transition: Employment Opportunities and Skillsets

Prof. Dr. Ashik Ahmed, Head, Institute of Energy and Environment (IEE), IUT

The energy transition has been happening at a much rapid rate than probably anticipated a decade ago, an indication that the world is putting its' environment into serious consideration while moving forward with technological advancement. An initiative taken by United Nations back in 2016, known as the Paris Agreement, was successful in bringing 194 countries along with the European Union under one umbrella to settle for "keeping a global temperature rise this century well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees Celsius" [1]. Significant attempts are thereafter made by the signatory countries by setting both long-term and short-term goals to be on track with the aforesaid target. Among the top contributors to the rise in global temperature, emission of green- house gases (GHG) should be comfortably placed there near the top [2]. According to [3], starting from 1990 till today, the electricity and heat generation sector has been identified as the major contributor towards the harmful GHG emission all around the world. Hence, major initiatives should be adopted by different countries to reduce emissions, especially in these two sectors. One such initiative is to shift the electricity generation scheme from fossil-fuel based resources to renewables, such as, solar photovoltaics, wind energy, biofuels, hydro energy, and others. According to [4], to meet the Paris Agreement target of 1.5 degrees Celsius, renewable energy (RE) sources must overtake fossil fuels by this decade.

While shifting from conventional fossil-fuel based electricity generation to renewables sounds great, it is not something like a walk in the park. Nevertheless, this paradigm shift in energy generation will open many opportunities as well in the job market. According to [5], the evolution of global renewable energy job market has observed a major rise in the last decade (2012-2022) as shown in the figure below. While not all these jobs are purely technical in nature, possession of relevant technical skills should help in increasing the chances of getting these jobs. Besides the core technical expertise on the working mechanism of RE sources, one should also focus on other non-technical skillsets. A short overview of the some of the desired skills for the RE job market is provided below [6,7]:



<sup>a</sup> Includes liquid biofuels, solid biomass and biogas.  
<sup>b</sup> Direct jobs only.  
<sup>c</sup> "Others" includes geothermal energy, concentrated solar power, heat pumps (ground based), municipal and industrial waste, and ocean energy.

Job opportunities in millions in the renewable energy sector [5]

**Technical knowledge:** Like any other technical sector, the backbone of the renewable energy sector also lies in its technological progress. Candidates having strong grasp in engineering, especially in areas like solar photovoltaics, wind turbine technology, bioenergy, and energy storage systems, are going to have higher chances of getting picked.

**Knowledge of Data Analysis and Artificial Intelligence (AI):** The incorporation of data analytics and AI into the RE sector is becoming increasingly crucial in obtaining the its' optimal performance of RE systems. Candidates having the skill of analyzing and interpreting data to improve the efficiency of energy production and consumption are likely to find themselves in a highly advantageous position in the job market.

**Skill of Project Management:** The renewable energy industry involves complex projects requiring efficient planning and execution. Project engineers with a sound knowledge of RE technologies, regulatory requirements, and stakeholder engagement are invaluable assets to employers operating in this sector.

**Policy and Regulatory Knowledge:** As the renewable energy landscape is heavily influenced by local, cross-border, and international policies and regulations, candidates well-versed in local and international energy policies, incentives, and compliance standards are expected to play a major role in guiding organizations through the evolving regulatory environment.

**Communication and Collaboration skills:** Effective communication is essential in industries that involve collaboration among various stakeholders, such as the government bodies, investors, and local communities. Candidates having the ability of articulating RE projects and fostering collaboration will be highly sought after by the RE employers.

**Awareness of Environmental and Societal Issues:** As RE projects often have significant environmental and social impacts, a thorough understanding of the environmental and social issues related to RE projects will be vital for ensuring sustainable and socially responsible projects.

With the ever-expanding nature of the RE job market this should be the appropriate time to indulge oneself in gaining the required skillsets which is by no means limited only to the ones mentioned above. The achievement of energy transition goals can be expedited if availability of skilled manpower can be ensured as per requirement. Hence, appropriate measures should be taken by policy makers at different levels to ensure the development of RE skilled manpower at the earliest.

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# IUT Library: Embracing Technology and Expanding Facilities

Prof. Dr. Abu Raihan Mostofa Kamal  
University Librarian (In-Charge)

## IUT Library at a Glance

The Islamic University of Technology (IUT), which is a subsidiary organ of the Organisation of Islamic Cooperation (OIC), aspires to be a prominent university in the fields of science, engineering, and technology. Slowly but steadily, the IUT Library is becoming an information centre for the 57 OIC member states. Since its establishment, IUT Library has been providing intellectual and practical services.

Established in 1986, the Library is one of the campus's key attractions due to its significance, attractive architectural design, and central location. The Library is housed on the first floor of the Library/Cafeteria Building, next to a beautiful water pool on the eastern and southern sides.

The Library currently occupies a floor area of 1300 square meters (about 14000 square feet), with shelf space for 52,000 books. At present, it has approximately 37,000 printed books with 8,145 titles. Apart from printed materials, the Library subscribes to numerous electronic resources in the fields of science, engineering, and technology through memberships in the Library Consortium of Bangladesh (LiCOB). IUT Library subscribes to 13 national daily newspapers, which are available in designated news reading areas. Additionally, users can gain access to theses and dissertations published by IUT's many departments via the IUT Institutional Repository's portal (IR).



IUT library tries to set up modern technologies and provides advanced services to its stakeholders. In the Main Hall of the Library, there are 36 computer workstation desks for computer and laptop users. As many as 18 workstation desks are equipped with computers, and in the rest, there are 18 monitors which can be used and connected through users' laptops. IUT Library provides facilities to access quality checker software for writeup/publication, such as Turnitin plagiarism checker software, Grammarly Premium software, etc. There are 02 computer terminals for the Online Public Access Catalogue (OPAC) search. Besides, there are 09 computers in the e-Resource Section for browsing subscribed and open accessed e-Resources. All computers have high-speed internet access, and the entire IUT Library is covered by Wi-Fi wireless internet.

Considering the ever-changing need and behaviour of the information seekers, the Library has been tuning its activities and resources towards automated services and digital resources. It is now providing web-based information management and services supported by Integrated Library Management System software "Koha" and Machine-Readable Cataloging (MARC-21).

The Library has International connectivity by getting membership of the International Association of Technological University Libraries (IATUL).

There is a Distance Learning Theatre (DLT) inside IUT Library, which provides a sophisticated blended environment for virtual lectures, meetings, workshops, etc. At any given time, the DLT room can accommodate 48 people. It comes equipped with three large LED monitors, two advanced modern cameras, and a two-way sound system, among other features.

The newly established Executive Lounge, which is a special place for both full-time and part-time faculty members and heads of offices, is located in the south lobby of the Library. The beautiful pool view area added an aesthetic look to the Executive Lounge. It has a seating capacity for 25 people. A large smart TV has also recently been installed there.

Another recent addition is the IUT Souvenir Shop, located on the ground floor of the entrance point of the Library, which is maintained and operated by the Library. Visitors and library users can purchase souvenir items from the shop.

Realizing the need for showing around the campus and its various facilities to prospective students and their guardians as well as members of the interested general public, the Library has been providing guided campus tours. This new initiative has been welcomed and appreciated by those who have taken this facility, which is demonstrated by the sheer number of visitors.

The Library has different study zones such as Students' Reading Rooms, Engineering Village Section (reference collection section), e-Resource Section, Reading Area in Main Hall, etc. Around 239 users can sit and study around all the locations in the Library. Students' Reading Rooms of the IUT Library remain open seven days a week.

The IUT library maintains an unwavering commitment to reader safety and fostering a conducive reading environment through its 24/7 CCTV surveillance system. Comprising 31 digital cameras and two CCTV monitoring displays, the entirety of the library premises is under constant surveillance. Additionally, the library employs digital displays for seamless information dissemination, providing students with essential guidelines and updates on library services.

Furthermore, the library prioritizes the enhancement of its archiving resources, which encompass a diverse range of materials, including daily newspaper clippings and previous year question papers for mid and final examinations. These archival and documentation facilities are available in both digital and printed formats, ensuring accessibility to a wide audience. Digital repositories, accessible through the Institutional Repository (IR) <<http://103.82.172.44:8080/xmlui>> and the dynamic library website <<https://library.iutoic-dhaka.edu>>, serve as invaluable platforms for users to explore and engage with the library's rich collection of resources.

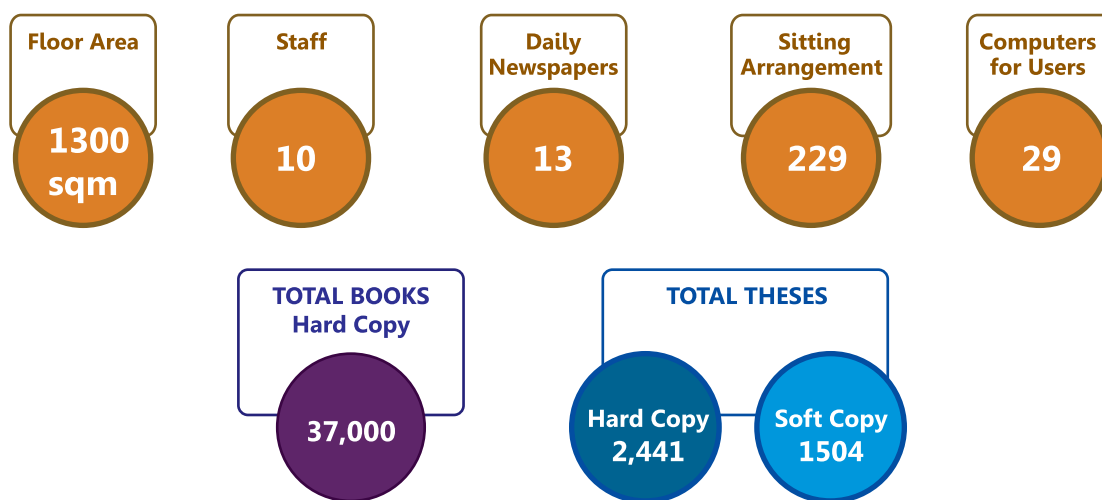


The reprography section of the library serves as a central hub for photocopying needs, offering convenient access to two highly configured photocopier machines equipped with air-conditioning facilities. This section provides a range of services tailored to meet the diverse needs of its users. Students can avail of reprographic services for course materials and library resources (copyrighted materials), while faculty members and offices benefit from complimentary photocopying services for official documents and course resources. To facilitate the photocopying process, payment is facilitated through the automated photocopy token system, which enables users to pay through their IUT card.

Library Timings	
<b>Regular Library Office and Service Hours</b>	8:00 a.m. to 4:30 p.m. (Monday to Friday) (All Library Sections).
<b>Student Reading Rooms opening Hours (Seven days a week)</b>	8:00 a.m. to 10:00 p.m. (Monday to Sunday) (Seven days a week) (till 12:00 a.m. during Examination time).
*During holidays, the Library remains closed.	

The Library is managed by a group of 10 full-time expert personnel, including three supporting staffs.

### Library Resources Statistics:



## **Development Plan**

At present, the number of students, staff, and faculty members has increased threefold since its inception. Moreover, with the elevation of the status of this higher seat of learning from a centre to an institute and then to a university, the need for an understanding of a major development project has been felt by the stakeholders. Therefore, the necessity of refurbishing the infrastructures along with the introduction of new software and technologies that are used by the renowned libraries of the world cannot be over-emphasized. The continuous library development includes creating facilities for accommodating more users. The development scheme has been taken up keeping in mind, among others, the requirement for the accreditation of the departments/programs.

The development plan for the library encompasses several key aspects aimed at enhancing user experience and accessibility. Firstly, the library is focusing on improving its seating arrangement by implementing a carrel system. This strategic move is designed to optimize space utilization and increase seating capacity while also creating a conducive reading environment for patrons.

Furthermore, the integration of an RFID system is underway to streamline circulation processes and introduce self-checkout/check-in options. This technological upgrade not only enhances efficiency but also empowers users to manage their borrowing experience more autonomously.

In a commitment to inclusivity, the library is installing a capsule lift to ensure smooth access for all users, including those with physical disabilities. This initiative aligns with the library's dedication to fostering an environment that is accessible and accommodating to diverse needs.

## **Concluding Remarks:**

The main aim of IUT Library is to deliver world-class Library and information services to meet the University's ever-growing needs and support the University's vision and missions. The prime goal is to contribute to society through user-friendly services and resources, enabling the learning and research facilities to achieve an international level of excellence. Overall, several ongoing developments underscore the library's proactive approach to adapt to evolving user preferences and technological advancements while prioritizing accessibility and inclusivity.

# Games and Sports at the Islamic University of Technology

Prof. Dr. Shamsuddin Ahmed  
Chairman, Games and Sports Committee

## Introduction

To every normal human being, tremendous creative and productive abilities are given by the Almighty Allaah SWT. Unfortunately, today's youth spend a large amount of time in front of electronic devices instead of a quality and productive lifestyle. Many of them are suffering from depression, and an increasing number of diseases are breaking up worldwide. Physical fitness helps to encounter these problems and improves mental health. Games and sports are an integral part of a student's life at the Islamic University of Technology (IUT) to provide them with numerous benefits, such as physical fitness, improved mental health and self-esteem, better academic performance, increased value-driven brotherhood and social skills, and more. One of the missions of the games and sports of IUT is to build skills in sportsmanship, emotional stability, intelligence, empathy, and leadership by stimulating the mind in a broad range of recreational facilities. The students involved in sports are seen to be proactive in academic activities. Thus, IUT ascribes importance to co-curricular activities and encourages the students to participate in various games and sports.

By getting involved in sports students learn the importance of teamwork, hard work, and self-discipline. By encouraging the students to participate in different games and sports throughout the year, IUT is contributing to the objective, mission, and vision of the University in particular and in turn the mission and vision of the Islamic Ummah in general. Through participation, the students get an opportunity in sports and different games; learn cooperation, and time management. These activities also enable the students to make their own decisions and help them gain experience, skills, and confidence to lead them on the path of their future success. It helps the students to discover their hidden potential given by Allaah SWT, helps them to interact with different people, and provides them the platform to learn many things outside their academic life.

## Games and Sports Committee

The Games and Sports Committee of IUT consisting of the student members and a few staff members looks after the indoor and outdoor games' issues. It organizes the annual athletic competition as well. Each student member is nominated by the Vice-Chancellor on the recommendation of the Chairman of the Games and Sports Committee and represents the captain of a particular game.

A Senior Physical Instructor is available to provide advice and guidance to the students and for the procurement and maintenance of the materials for various games and sports of the University. The physical training sessions that are enjoyed at the University imbibe on the students a love for sports. The schedule for various games and competitions is announced by the Senior Physical Instructor as and when necessary. For the recreation of the students, the University has two student centers provided with facilities like a TV room, and indoor games. It is believed that talent wins games, but teamwork and intelligence win championships. Thus, the participation of students in these activities equips them to sharpen their competitive skills and develop team spirit.

## Sports infrastructures

### Student Centre

The Student Centre of IUT is important in the student's co-curricular activities. With the authority's advice, it organizes many programs such as the Annual Athletic Competition, IUT indoor-outdoor games competition, inter-university football competition, IUT community-based football competition, and others. The University has set up two Student Centres for two residential halls with the best quality and international standard TT tables, recreation halls, and indoor games facilities like carrom, draught, scrabble chess, and more.

## **Gymnasium**

The gymnasium is one of the integral parts of physical fitness for the IUT students. IUT has a modern gymnasium that provides facilities such as running space, warm-up space, and audience space. The gymnasium is a spacious area equipped with various hi-tech equipment and an indoor basketball court.

## **Fitness Centre**

The University has a mini gymnasium or fitness Centre in the campus. About 100 students enjoy the facility every day. This Centre is equipped with a Lat Pull-Down Machine, Preacher Curl Bench Machine, Leg Press Machine, Chess Press Machine, Commercial Rubber Floor Mat, and various rubber plates exercise equipment. Students are highly benefited by this center in the evening.

## **Facilities for Outdoor Games**

### **Two Football Grounds**

It is said in Football that the more difficult the victory, the greater the happiness in winning. Football lives up to its reputation of being a widely played and followed sport in the world. IUT has two football grounds. Football is widely played on campus.

### **Volleyball Ground**

There are two volleyball courts available on the campus. Regular practice sessions are managed by the Sr. Physical Instructor and a great response has been shown by the students.

### **Basketball Court**

IUT has two basketball courts with indoor and outdoor facilities available. Being one of the most popular sports on campus, basketball is played by a large number of students in the evenings.

### **Lawn Tennis Court**

There are two long tennis courts at IUT, one for male students and one for female students. The courts are supported by floodlights that make playing at night and players are often seen practicing well.

### **Badminton Complex**

Badminton is widely played here, especially in the winter session. Three badminton courts, two of which are located in front of the Ansar camp and one inside of the female dormitory are supported with lights; they are always full of players and their cheering friends.

### **Cricket Practice Pitch**

The games and sports section of the University has always encouraged the students to participate in the cricket practice match. A cricket ground with artificial pitches along with other facilities.

## **Facilities For Indoor Games**

### **Student Centre Common Room**

The common room is a big area which is located near the halls of residence. Students play indoor games during the scheduled time frame. The common room has facilities with international class TT tables, a recreation room; and apparatus for carom, chess, draught, and scrabble. A complete gymnasium with equipment like a Horizontal Bar, Parallel Bar, Vaulting Horse, Roman Ring, and facilities for Floor Exercise, a Trampoline, and a Weight Training Room.

### **Student counseling and guidance**

Students Counseling and Guidance Service is an integral part of the academic programs of students of the teaching Departments and centers of the University. It aims at helping students to adjust to campus life, effectively pursue curricular as well as co-curricular activities, develop their abilities for making wise choices and plans, and solve individual problems through counseling.

## **Sports activities throughout the year**

In January, the Annual Athletic Competition, Badminton competition, and other normal activities are going on. February is scheduled for the Annual Athletic Competition, Badminton Competition (Single, Double), and other normal activities. During March, cricket competitions and other activities are held regularly. It may be noted that ten practice matches, six competition matches, and eight matches for player selection (each department) are held during the Inter-Department Cricket Competition. This month, teachers and students of IUT play cricket about three days a week. Normal net practice starts in January and goes up to April. Lawn Tennis Competition (Doubles), Volleyball Competition (with ten practice matches), and other activities are held in April. During the month of April-May, Lawn Tennis Competition (Single), Table Tennis Competition (Doubles), and Football Competition (with ten practice matches) are held. Basketball competitions, Table Tennis competitions (Single), Annual Carom Competitions (Single), and other normal activities go on during May and June. June-July is the month for arranging the Annual Carom Competition (Double), and Drought Competition. In the month of July-August, activities like the Annual Chess Competition, Scrabble Competition, and others normal activities goes on. September is the month for the mega event Annual Prize giving Ceremony for Indoor-Outdoor games activities like-Fitness Centre activities, Football, Basketball, Chess, Drought, Scrabble, Table Tennis Lawn Tennis, etc. In October and November, students are playing inter-community Football and Basketball competitions. In December, preparations are taken for the Annual Athletic Competition, Badminton, and other sports-related activities. Indoor-outdoor games and fitness Centre activities go on throughout the year.

## **Prize giving ceremony**

Every year, a colorful prize-giving ceremony is arranged by the Games and Sports Committee where the winners are awarded the champion trophy, medals, certificates and materials and cash.

## **Conclusion**

At IUT, games and sports are considered vital for maintaining physical fitness, including healthy weight; building and maintaining healthy bones, muscles, and joints; promoting physiological well-being, reducing surgical risks, and strengthening the immune system. Thus, the University attaches a great importance to co-curricular activities by encouraging the students to participate in various games and sports. The University has always been concerned about the fitness of its students and has been providing abundant resources to the students for physical exercise and sports. A large number of sports tournaments are organized throughout the year, enabling the students to test their sports skills and keeping them fit. Awards and prizes are not the only appreciation that should motivate one to participate in these games. Rather, the foundation of a healthy society is laid through his type of participation where all are concerned about the importance of discipline, cooperation, team spirit, Islamic brotherhood and sisterhood and culture of sportsmanship, and devotion to the achievement of a common goal in collaboration with others. It provides an opportunity to enhance the bonding among students coming from diverse social and cultural backgrounds.

PLANNING

TEAMWORK



SUCCESS

# 36<sup>TH</sup> CONVOCATION COMMITTEES



# 36TH CONVOCATION COMMITTEES

## Convocation Steering Committee \*

Vice-Chancellor	Chairman
Pro-Vice-Chancellor (Acting)	Member
Dean, (FET)	Member
Dean, (FSTE)	Member
Head, MPE Department	Member
Head, EEE Department	Member
Head, CSE Department	Member
Head, CEE Department	Member
Head, TVE Department	Member
Head, BTM Department	Member
Head, NSc Department	Member
Head, REASP Department	Member
Head, IAEC Office	Member
Head, ICT Centre	Member
Head, AQA Office	Member
Head, HR & Cabinet Office	Member
Head, IEE	Member
Head, CEEE	Member
University Librarian	Member
Comptroller	Member
Executive Engineer	Member
Provost, Hall of Residence (Male)	Member
Provost, Hall of Residence (Female)	Member
Head, Planning, Procurement and Development Office	Member
Chief Medical Officer (CMO)	Member
Head, Office of the Students' Welfare (OSW)	Member
Registrar	Member-Secretary

\* Not according to the order of precedence

## Sub-Committee for Reception \*

Dean	FET	Convener
Dean	FSTE	Member
Registrar	Office of the Registrar	Member
Head	EEE	Member
Head	BTM	Member
Head	MPE	Member
Head	CEE	Member
Head	NSc	Member
Head	REASP	Member
Head	OSW	Member
University Librarian	Library	Member
Prof. Dr. Shamsuddin Ahmed	MPE	Member
Prof. Dr. Md. Tarek Uddin	CEE	Member
Prof. Dr. Md. Ruhul Amin	EEE	Member
Prof. Dr. Khondokar Habibul Kabir	EEE	Member
Prof. Dr. A.R.M. Harunur Rashid	MPE	Member
Prof. Dr. Md. Abul Kalam Azad	BTM	Member
Prof. Dr. Mohammad Monjurul Ehsan	MPE	Member
Prof. Md. Dr. Md. Rezwanul Karim	MPE	Member
Prof. Dr. Arafat Ahmed Bhuiyan	MPE	Member
Dr. Madihah Binti Haji Maharof	MPE	Member
Dr. Mohammad Shams Uddin	BTM	Member
Mr. Md. Abdullah Al Mamun	BTM	Member
Mr. Mohsin-ul-Aziz Chowdhury	Finance & Accounts	Member
Ms. Lutfun Nahar Lota	CSE	Member
Mr. Njayou Youssouf	CSE	Member
Mr. Mirza Mohammad Jahangir	Engineering office	Member
Mr. Mohammad Jahangir Alam	Engineering office	Member
Mr. Nadoukou Idris Adamou	VC office	Member
Ms. Abdullahi Binta Suleiman	TVE	Member
Prof. Dr. Moinul Hossain	CEE	Member-Secretary

\* Not according to the order of precedence

## Sub-Committee for Hospitality \*

Provost, Hall of Residence (Male)	Provost office (Male)	Convener
Provost, Hall of Residence (Female)	Provost office (Female)	Member
Head, ICT	ICT Centre	Member
Prof. Dr. Golam Sarowar	EEE	Member
Prof. Dr. A.R.M Harunur Rashid	MPE	Member
Prof. Dr. Md. Abdullah Al Mamun	TVE	Member
Prof. Dr. Md. Fokhrul Islam	EEE	Member
Prof. Dr. Md. Rezwanul Karim	MPE	Member
Prof. Dr. Arafat Ahmed Bhuiyan	MPE	Member
Dr. Md. Sakhawat Hossen	CSE	Member
Dr. Tanvir Ahmed	CEE	Member
Dr. Md. Moniruzzaman	CSE	Member
Mr. Md. Monir Hossan Rubel	EEE	Member
Mr. Tareque Mohamud Chowdhury	CSE	Member
Mr. Muhammad Rashedul Huq Shamim	TVE	Member
Mr. Benadjith Oiriddine Abdou	TVE	Member
Mr. Md. Mahbulul Alam	Provost office (Male)	Member
Mr. Md. Shamsuzzaman Chowdhury	Provost office (Male)	Member
Dr. Nafiz Intiaz Bin Hamid	EEE	Member-Secretary

## Sub-Committee for ICT \*

Head	ICT Centre	Convener
Dr. Hasan Mahmud	CSE	Member
Mr. Faisal Hussain	CSE	Member
Mr. Tareque Mohmud Chowdhury	CSE	Member
Mr. Khondoker Razzakul Haque	CSE	Member
Mr. Muhammad Anowar Kabir	EEE	Member
Mr. Masudur Rahman Sarker	EEE	Member
Mr. Mohammad Abu Shadeak	Engineering office	Member
Mr. Md. Anisur Rahman	ICT Centre	Member
Mr. A.H.M. Reza Shahreare Khan	ICT Centre	Member
Mr. Md. Kamrul Hasan	ICT Centre	Member
Dr. Md. Moniruzzaman	CSE	Member Secretary

\* Not according to the order of precedence

## Sub-Committee for Publications \*

Head	REASP	Convener
Head	IAEC	Member
Head	MPE	Member
Head	IEE	Member
Head	TVE	Member
Prof. Dr. Mohammad Tawhid Kawser	EEE	Member
Dr. Amimul Ahsan	CEE	Member
Dr. Md. Rezwanul Karim	MPE	Member
Dr. Mohammad Monjurul Ehsan	MPE	Member
Dr. Mahbub Hasan	TVE	Member
Dr. Nazmus Sakib	CEE	Member
Dr. Md. Hasan Mahmud	CSE	Member
Dr. Mohammad Nasim	MPE	Member
Mr. Mohammed Nazmudduza	PPD	Member
Mr. Md. Dulal Mia	Library	Member
Mr. Md. Abdul Wadud	REASP	Member
Mr. Md. Kazi Babul Hossain	TVE	Member
Mr. Md. Ahasan Habib	Library	Member-Secretary

## Sub-Committee for Publicity and External Communications \*

Prof. Dr. Khondokar Habibul Kabir	EEE	Convener
Prof. Dr. Md. Rezwanul Karim	MPE	Member
Prof. Dr. Mohammad Monjurul Ehsan	MPE	Member
Mr. Benadjih Oiriddine Abdou	TVE	Member
Mr. Mohammad Muhtasim Mashfy	MPE	Member
Mr. Fuad Bin Nazrul	CEE	Member
Mr. A. K. M. Rakib	EEE	Member
Ms. Tanjila Alam Sathi	CSE	Member
Ms. Khadija Khanom	BTM	Member
Mr. Md. Dulal Mia	Library	Member
Mr. Md. Ahasan Habib	Library	Member Secretary

\* Not according to the order of precedence

## Sub-Committee for Academic Logistics \*

Dean	FSTE	Convener
Prof. Dr. Shakil Mohammad Rifaat	CEE	Member
Prof. Dr. Md. Abu Raihan	TVE	Member
Mr. Mohsin-ul-Aziz Chowdhury	Finance & Accounts	Member
Dr. Nazmus Sakib	CEE	Member
Mr. Mohammed Nazmud Duza	PPD	Member
Mrs. Khadija Khanom	BTM	Member
Mr. Md. Mafizur Rahman	Office of the Registrar	Member
Registrar	Office of the Registrar	Member Secretary

## Sub-Committee for Dignitaries \*

Hon. VC	VC office	Convener
Hon. Pro VC (Acting)	Pro VC office	Member
Dean	FET	Member
Dean	FSTE	Member
Head	MPE	Member
Head	EEE	Member
Head	CSE	Member
Head	CEE	Member
Head	TVE	Member
Head	BTM	Member
Head	NSc	Member
Head	IAEC	Member Secretary

## Sub-Committee for Security \*

Prof. Dr. Ashik Ahmed	IEE	Convener
Dr. Mahbub Hasan	TVE	Member
Mr. Ifat Rabbil Qudrat Ovi	MPE	Member
Mr. Mohammad Jahangir Alam	Engineering office	Member
Dr. Salma Khatun	Medical Centre	Member
Mr. Md. Mafizur Rahman	Office of the Registrar	Member
Sqn (Retd) Md Golam Kibria Abbasi	Office of the Registrar	Member Secretary

\* Not according to the order of precedence

# ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

CREATING GLOBAL CITIZENS WITH ISLAMIC VALUES



The background is a vibrant green with a radial pattern of lines emanating from the center. A large, 3D-style green streamer is on the left side. A string of white bunting with green triangular flags is draped across the top and bottom of the page.

*Graduating Students*  
**(Part 1)**

**2024**

# DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

## GRADUATING STUDENTS OF ACADEMIC YEAR (AY 2022 - 2023)

Recipients of the Degree of  
Master of Science in Mechanical Engineering



201011015  
Yasin Khan  
Bangladesh

# DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

## Recipients of the Degree of Bachelor of Science in Mechanical Engineering (AY 2022-2023)



190011101  
Masruf Zaman Samin  
Bangladesh



190011102  
Nazmus Sakib  
Bangladesh



190011103  
Sakibul Haque Sakib  
Bangladesh



190011104  
Arafat Ahmed  
Bangladesh



190011105  
Munem Shahrir  
Bangladesh



190011106  
Md. Muhtasim Uzzaman  
Bangladesh



190011107  
Tanzim Hasan  
Bangladesh



190011108  
Farhan Shahrir  
Bangladesh



190011109  
Ahmad Jabir  
Bangladesh



190011110  
Tausif Elahi Khan  
Bangladesh



190011111  
Tanvir Hossain  
Bangladesh



190011112  
Md. Hasibur Rahman Hamim  
Bangladesh



190011113  
Ruqaiya Islam Mishi  
Bangladesh



190011114  
Estiak Ahmed  
Bangladesh



190011115  
Shabab Zulkar Nayn  
Bangladesh



190011116  
Raian-E-Rabbani  
Bangladesh



190011118  
Md. Shahrir Hossain Bhuiyan  
Bangladesh



190011120  
Ahbabul Hoque Dipto  
Bangladesh



190011121  
Hamedur Rahman  
Bangladesh



190011122  
Nazmus Shameer Islam  
Bangladesh

# DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

## Recipients of the Degree of Bachelor of Science in Mechanical Engineering (AY 2022-2023)



190011123  
Md. Ar-Rafi Bin Arif  
Bangladesh



190011124  
Labib Ahmed Shezan  
Bangladesh



190011125  
Sefat Mahmud Siddique  
Bangladesh



190011126  
Abdullah Abrar  
Bangladesh



190011127  
Nazmus Sakib  
Bangladesh



190011132  
Kazi Refaya Noshin Prima  
Bangladesh



190011133  
Saraban Salsabila  
Bangladesh



190011134  
Wirba Aisha Sevidzem  
Cameroon



190011135  
Amte Gaye  
Gambia



190011138  
Vepouyoum Njouokouo Youssef  
Cameroon



180011112  
Ridowan Islam Pranto  
Bangladesh



180011201  
Kazi Fahad Labib Timur  
Bangladesh

# DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

## Recipients of the Degree of Bachelor of Science in Industrial and Production Engineering (AY 2022-2023)



190012101  
Naimur Rahaman Naim  
Bangladesh



190012102  
Mohammad Khalid Bin Syeed  
Bangladesh



190012103  
Mehedi Hasan Ali  
Bangladesh



190012104  
Aarik Almas  
Bangladesh



190012105  
Abdullah Al Sayeed  
Bangladesh



190012106  
Moho Hassan  
Bangladesh



190012107  
Malick Fahim Muntasir  
Bangladesh



190012108  
Muhammad Asif Zawad  
Bangladesh



190012110  
Mubtasim Fuad Aornob  
Bangladesh



190012111  
Fahim Mushfique Labib  
Bangladesh



190012112  
Maruf Ahmed  
Bangladesh



190012113  
Md. Mohaiminul Islam  
Bangladesh



190012114  
Ismat Ara Kaifa  
Bangladesh



190012115  
Mahim Mushfique Laham  
Bangladesh



190012116  
Tarif Shahriar  
Bangladesh



190012117  
Hasin Ahmad Zafir  
Bangladesh



190012118  
Md. Sakibul Islam  
Bangladesh



190012119  
Alvee Jawad Bin Hamid  
Bangladesh



190012120  
Farhan Faisal  
Bangladesh



190012121  
Md. Jawad Rahman Chowdhury  
Bangladesh

# DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

## Recipients of the Degree of Bachelor of Science in Industrial and Production Engineering (AY 2022-2023)



190012123  
Mahedi Hasan  
Bangladesh



190012124  
Jawad Mahdi  
Bangladesh



190012125  
Syeda Tahsina Hasan  
Bangladesh



190012127  
Rashid Naib Rafi  
Bangladesh



190012128  
Md. Fahim Tanvir Azad  
Bangladesh



190012131  
Rifat Bin Kawsar  
Bangladesh



190012132  
Syoda Anamika Jahan  
Bangladesh



190012133  
Md. Minhazul Islam  
Bangladesh



190012134  
Hasibur Rahman  
Bangladesh



190012136  
Tahia Ilham  
Bangladesh



190012137  
Abdullah Al Muhid Alvee  
Bangladesh



190012139  
Tahmid Faiyaz  
Bangladesh



190012140  
Abdullah Al Nabil  
Bangladesh



190012141  
Amimul Ihsan  
Bangladesh



190012143  
Serniabat Wasit Tawassaf  
Bangladesh



190012144  
M. Abrar Faiyaz Rabbi  
Bangladesh



190012145  
Tahamid Arshil  
Bangladesh



190012146  
Aynul Haiyat Seyam  
Bangladesh



190012147  
Tawhidul Islam Sazid  
Bangladesh



190012149  
Md. Rakib Islam  
Bangladesh

## DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

Recipients of the Degree of Bachelor of Science  
in Industrial and Production Engineering (AY 2022-2023)



190012150  
Md. Saiman Sakib  
Bangladesh

# DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

## GRADUATING STUDENTS OF ACADEMIC YEAR (AY 2022 - 2023)

Recipients of the Degree of Doctor of Philosophy (Ph.D.)  
in Electrical and Electronic Engineering



152701  
Md. Hasan Maruf  
Bangladesh

## DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

### Recipients of the Degree of Master of Science in Electrical and Electronic Engineering (AY 2022-2023)



171021010  
Mohammed Yasin Arafat  
Bangladesh



171021017  
Md. Shakabul Islam Sourav  
Bangladesh



171021027  
Taiyeb Hasan Sakib  
Bangladesh



201021005  
Atiqul Alam Chowdhury  
Bangladesh



201021006  
Gazi Fahmid Hasan  
Bangladesh

### Recipients of the Degree of Master of Engineering in Electrical and Electronic Engineering (AY 2022-2023)



201021013  
Zayed Hossain  
Bangladesh

## DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

### Recipients of the Degree of Bachelor of Science in Electrical and Electronic Engineering (AY 2022-2023)



190021101  
Md. Shantanu Rahman  
Bangladesh



190021102  
Alisha Mahjabeen  
Bangladesh



190021103  
Iffat Nowshin  
Bangladesh



190021105  
Md. Atiq Aziz  
Bangladesh



190021107  
Ahmed Jawad Rashid  
Bangladesh



190021108  
Tanveer Mahmood Mahin  
Bangladesh



190021109  
Mizanur Rahman  
Bangladesh



190021110  
Liman Shams  
Bangladesh



190021111  
Muniza Alam Manobi  
Bangladesh



190021112  
Shafquat Rahman  
Bangladesh



190021113  
Md. Mahfuzul Islam  
Bangladesh



190021114  
Safwan Ahmed  
Bangladesh



190021115  
Nayeb Hasin  
Bangladesh



190021116  
Salman Hossain  
Bangladesh



190021117  
Md. Sadi Mobassir  
Bangladesh



190021118  
Raiyan Mustavi Ahmed  
Bangladesh



190021119  
Redwan-Ul-Bari  
Bangladesh



190021120  
Ashraf Uzzaman  
Bangladesh



190021122  
Md. Touhidul Islam  
Bangladesh



190021123  
Shihab Shahriar  
Bangladesh

## DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

### Recipients of the Degree of Bachelor of Science in Electrical and Electronic Engineering (AY 2022-2023)



190021125  
Abdullah-Al-Baki  
Bangladesh



190021126  
Abu Noman  
Bangladesh



190021128  
Asma Rahman  
Bangladesh



190021129  
Samiha Ishrat  
Bangladesh



190021130  
Refat Ahmed Bhuiyan  
Bangladesh



190021131  
Md. Sifat Aziz  
Bangladesh



190021132  
Abdullah  
Bangladesh



190021133  
Md. Saifur Rahman  
Bangladesh



190021134  
Shadid Islam  
Bangladesh



190021135  
Ahnaf Abid Sarkar  
Bangladesh



190021136  
Anika Rahman Habiba  
Bangladesh



190021137  
Md. Faiyaz Abrar Fahim  
Bangladesh



190021138  
Fahima Shahana Rahman  
Bangladesh



190021139  
Jamal Uddin  
Afghanistan



190021141  
Mohamuud Musse Yusuf  
Somalia



190021146  
Abdoul Wahab Abdoul Karim  
Cameroon



190021147  
Njutapmvoui Mbah Mohamed Omar  
Cameroon



190021148  
Abdulrahman Ebrahim Mansoor Kamel  
Yemen



190021149  
Alie Alusine Kamara  
Sierra Leone



190021201  
Sumaiya Tasnim  
Bangladesh

## DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

### Recipients of the Degree of Bachelor of Science in Electrical and Electronic Engineering (AY 2022-2023)



190021202  
Md. Asib Rahman Jahin  
Bangladesh



190021205  
Md. Syeed Hasan  
Bangladesh



190021206  
Md. Salman Sakib  
Bangladesh



190021207  
Mohammad Abrar Kabir  
Bangladesh



190021208  
Aseer Imad Keats  
Bangladesh



190021209  
A. G. M. Fuad Hasan Akanda  
Bangladesh



190021210  
Al-Amin  
Bangladesh



190021212  
Maleha Mahmud  
Bangladesh



190021214  
Rayan Hossain Khan  
Bangladesh



190021215  
All-Mumtahina Arika  
Bangladesh



190021216  
Md Sakib Ul Islam  
Bangladesh



190021218  
Md. Salman Mohosheu  
Bangladesh



190021219  
Safwan Islam  
Bangladesh



190021221  
Abdullah Al Mahmud Nafiz  
Bangladesh



190021225  
Moshuiur Rahman Chowdhury  
Bangladesh



190021226  
Rubiat Rafi  
Bangladesh



190021227  
Asif Ur Rahman Adib  
Bangladesh



190021228  
Shadman Saqib  
Bangladesh



190021229  
Nafew Sadat  
Bangladesh



190021230  
Afra Anika Protiva  
Bangladesh

## DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

### Recipients of the Degree of Bachelor of Science in Electrical and Electronic Engineering (AY 2022-2023)



190021231  
Safaoat Saima Arpi  
Bangladesh



190021232  
Abdullah Taharat  
Bangladesh



190021234  
Mutasim Fuad Anik  
Bangladesh



190021235  
Adiba Isfara  
Bangladesh



190021236  
Md. Abdullah Al Noman  
Bangladesh



190021241  
Abdulrahman Mohamed Hassan Rage  
Somalia



190021243  
Mousouambi Djae Mbae  
Comoros



190021246  
Sheku Saidu Suma  
Sierra Leone



190021301  
Sadri Islam  
Bangladesh



190021302  
Mohammad Tamim  
Bangladesh



190021303  
Fariba Tabassum Dola  
Bangladesh



190021304  
Mohammad Aman Ullah  
Bangladesh



190021305  
Noshin Salsabil  
Bangladesh



190021306  
Auhona Ahsan  
Bangladesh



190021307  
Saadat Mahmud  
Bangladesh



190021308  
Tanvir Ahmad  
Bangladesh



190021309  
Md. Mushfiqur Ahmed  
Bangladesh



190021310  
Md. Ahasanul Adib  
Bangladesh



190021311  
Khandaker Fidak M. Rahman  
Bangladesh



190021312  
Mainul Islam  
Bangladesh

# DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

## Recipients of the Degree of Bachelor of Science in Electrical and Electronic Engineering (AY 2022-2023)



190021313  
Tasmiah Rahman  
Bangladesh



190021314  
Ashif Al Nayem Zeesan  
Bangladesh



190021315  
S.M. Azmain Awsaf  
Bangladesh



190021316  
Mohd. Muztahid Abrar Siddique Shafi  
Bangladesh



190021317  
Fardeen Rahman  
Bangladesh



190021318  
Abrar Fahim  
Bangladesh



190021319  
Atif Ali  
Bangladesh



190021320  
Muhammed Ahnaf Khan  
Bangladesh



190021325  
Sumaiya Tasnim Prapti  
Bangladesh



190021326  
Shafi Muhtasim Chowdhury  
Bangladesh



190021329  
Shadman Saad Farazi  
Bangladesh



190021335  
Wasik Billah Ibn Rashid  
Bangladesh



190021337  
A. S. M. Sarwar Jahan  
Bangladesh



190021338  
Chabane Ali Djae  
Comoros



190021339  
Moussa Coulibaly  
Mali



190021340  
Mustafe Mukhtar Muhumed  
Somalia



190021345  
Haruna Ziya'Ulhaq  
Nigeria

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

## GRADUATING STUDENTS OF ACADEMIC YEAR (AY 2022 - 2023)

Recipients of the Degree of Master of Science  
in Computer Science and Engineering (AY 2022-2023)



161041013  
Obayed Bin Mahfuz  
Bangladesh



191041032  
Md. Mezbaur Rahman  
Bangladesh

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

### Recipients of the Degree of Bachelor of Science in Computer Science and Engineering (AY 2022-2023)



190041101  
Md. Tariquzzaman  
Bangladesh



190041102  
Prerana Tarannum  
Bangladesh



190041103  
Md. Tanvir Hossain Saikat  
Bangladesh



190041104  
Alif Arshad Bakshi  
Bangladesh



190041105  
Sadia Alam  
Bangladesh



190041106  
Nur Nasrum  
Bangladesh



190041107  
Nokimul Hasan Arif  
Bangladesh



190041108  
Zannatul Ferdous  
Bangladesh



190041109  
Navid Hasin Alvee  
Bangladesh



190041110  
Iztihad Mustakim  
Bangladesh



190041111  
Nabliha Khandker  
Bangladesh



190041112  
Mahtab Nur Fardin  
Bangladesh



190041113  
Tasnimul Hasnat  
Bangladesh



190041114  
Farzana Chowdhury  
Bangladesh



190041115  
Md. Shahnewaz Siddique  
Bangladesh



190041116  
Shaikh Faiyaz Karim  
Bangladesh



190041117  
Reaz Hassan Joarder  
Bangladesh



190041118  
Shahriar Mahmud  
Bangladesh



190041119  
Tanvir Hossen Shishir  
Bangladesh



190041120  
Audwit Nafi Anam  
Bangladesh

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

## Recipients of the Degree of Bachelor of Science in Computer Science and Engineering (AY 2022-2023)



190041121  
Mohammed Sami Khan  
Bangladesh



190041122  
Atik Mahbub  
Bangladesh



190041124  
Md. Shahriar Islam Bhuiyan  
Bangladesh



190041125  
Md. Irfanur Rahman Rafiq  
Bangladesh



190041129  
Md. Jubayer Islam  
Bangladesh



190041130  
Tafsir Md. Rubaiyat Rahman  
Bangladesh



190041131  
Rafid Nahiyen Farabi  
Bangladesh



190041132  
Abid Hasan  
Bangladesh



190041133  
M. Mohtasim Hossain  
Bangladesh



190041134  
Md. Arafat Bin Amin Drubo  
Bangladesh



190041135  
Fahim Sadik Rashad  
Bangladesh



190041136  
Khaja Abdus Sami  
Bangladesh



190041137  
K. M. Mehedi Hassan  
Bangladesh



190041138  
Sidratul Tanzila Tasmi  
Bangladesh



190041139  
Tasnim Ferdous  
Bangladesh



190041140  
Sajid Ahmed Chowdhury  
Bangladesh



190041141  
Najmus Sakib Arko  
Bangladesh



190041142  
Sayed Ghazanfar Shah  
Afghanistan



190041145  
Alaaeddin M. M Abumetteleq  
Palestine



190041147  
Ahmed Mohammad Mukaddas  
Nigeria

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

### Recipients of the Degree of Bachelor of Science in Computer Science and Engineering (AY 2022-2023)



190041201  
Sherajul Arifin  
Bangladesh



190041202  
Md. Kawsar Ahamed Siam  
Bangladesh



190041203  
Md. Ashikur Rahman  
Bangladesh



190041204  
Aashnan Rahman  
Bangladesh



190041205  
Majidul Islam Chowdhury  
Bangladesh



190041207  
Sumit Alam Khan  
Bangladesh



190041208  
Lamiya Tahsin Orpa  
Bangladesh



190041209  
Mohsina Tabassum Rifa  
Bangladesh



190041210  
Lutful Awal Rafi  
Bangladesh



190041211  
Md. Fazle Rabbi Spondon  
Bangladesh



190041212  
Sakif Ahabab  
Bangladesh



190041213  
Farhan Fuad  
Bangladesh



190041214  
Naimul Haque  
Bangladesh



190041216  
A. K. M. Rakinuzzaman  
Bangladesh



190041217  
Sabrina Sajneen Roza  
Bangladesh



190041218  
Faria Ahmed  
Bangladesh



190041219  
H. M. Shadid Reza Chowdhury  
Bangladesh



190041220  
Tasfia Tasneem Annesha  
Bangladesh



190041221  
Rakin Abrar  
Bangladesh



190041222  
Alin Mohammad Sifayet  
Bangladesh

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

## Recipients of the Degree of Bachelor of Science in Computer Science and Engineering (AY 2022-2023)



190041223  
Isaba Ishrak  
Bangladesh



190041224  
Md Abdullahil Kafi  
Bangladesh



190041225  
Shihab Ahmed  
Bangladesh



190041226  
Syed Fateen Navid Haider  
Bangladesh



190041227  
Sabah Nushra  
Bangladesh



190041228  
Rahanuma Ryaan Ferdous  
Bangladesh



190041230  
Fairoz Anika  
Bangladesh



190041233  
Md. Shoaib Shahriar Ibrahim  
Bangladesh



190041234  
Rafi Hassan Chowdhury  
Bangladesh



190041235  
Prottoy Rafi  
Bangladesh



190041237  
Tahmid Rahman  
Bangladesh



190041238  
Syem Aziz  
Bangladesh



190041240  
Moudud Hasan  
Bangladesh



190041241  
Umme Tasnim Hasan  
Bangladesh



190041242  
Idrissa Mahamoudou Dicko  
Mali



190041246  
Shalanyuy Nabil Kindzeka  
Cameroon



190041247  
Mbouwap Njoya Zouleiha  
Cameroon

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

### Recipients of the Degree of Bachelor of Science in Software Engineering (AY 2022-2023)



190042102  
Esrat Ebtida Sakib  
Bangladesh



190042103  
Anika Tahsin  
Bangladesh



190042104  
Nafisa Tabassum Oeshy  
Bangladesh



190042105  
Arman Hossain Dipu Khan  
Bangladesh



190042106  
Ajwad Abrar Mostofa  
Bangladesh



190042107  
Suraiya Hasan  
Bangladesh



190042108  
Sazid Abdullah Farhan  
Bangladesh



190042109  
Nahida Akter Tanjila  
Bangladesh



190042110  
Md Samin Yasar Islam  
Bangladesh



190042111  
Md. Sadman Sakib  
Bangladesh



190042112  
Prianka Maheru  
Bangladesh



190042113  
Afrin Sultana Poushi  
Bangladesh



190042114  
Salman Ahsan  
Bangladesh



190042116  
Md. Raiyan Noor  
Bangladesh



190042117  
Abdullah Al Muti  
Bangladesh



190042118  
Labiba Farah  
Bangladesh



190042119  
Md. Abdullah-Al-Noman  
Bangladesh



190042121  
Tasfia Tahsin  
Bangladesh



190042122  
Azmayen Fayek Sabil  
Bangladesh



190042123  
Ahsan Habib  
Bangladesh

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

## Recipients of the Degree of Bachelor of Science in Software Engineering (AY 2022-2023)



190042124  
Anika Islam  
Bangladesh



190042125  
Md. Sakibul Islam  
Bangladesh



190042126  
Tasfia Barshat  
Bangladesh



190042127  
Farhan Shahriar Fahim  
Bangladesh



190042128  
Talimul Bari Shreshtho  
Bangladesh



190042129  
Mumtahina Rahman  
Bangladesh



190042130  
Maman Yusuf Khan  
Bangladesh



190042132  
S A M Sajratul Yeaken Mollah Prangon  
Bangladesh



190042134  
Syeda Maksuda Akter  
Bangladesh



190042136  
Md. Muktadir Mazumder  
Bangladesh



190042137  
Md. Ahnaf Akib  
Bangladesh



190042138  
Taszid Izaz  
Bangladesh



190042139  
Abir Hossain  
Bangladesh



190042140  
Abrar Chowdhury  
Bangladesh



190042141  
Sadik Yasin Eftee  
Bangladesh



190042142  
Md Mohaymen-Ul-Anam  
Bangladesh



190042144  
Kaniz Fatiha  
Bangladesh



190042146  
Arafat Kabir Khan  
Bangladesh



190042147  
Zaarin Anjum  
Bangladesh



190042148  
Maheen Mashrur Hoque  
Bangladesh

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

### Recipients of the Degree of Bachelor of Science in Software Engineering (AY 2022-2023)



190042149  
Iftikhar Imrul Khan  
Bangladesh



190042150  
Md Abir Hasan Fuad  
Bangladesh

# DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

## GRADUATING STUDENTS OF ACADEMIC YEAR (AY 2022 - 2023)

Recipients of the Degree of  
Master of Science in Civil Engineering



161051016  
B. M. Nural Absar  
Bangladesh



171051008  
Samiul Islam  
Bangladesh



191051015  
Md. Habibur Rahman Bejoy Khan  
Bangladesh



191051009  
Jamil Ahmed Joy  
Bangladesh

Recipients of the Degree of  
Master of Engineering in Civil Engineering



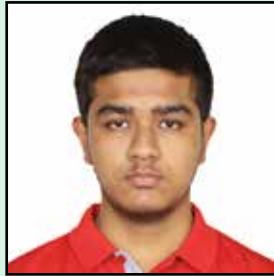
145618  
Md. Rakibul Haque  
Bangladesh

# DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

## Recipients of the Degree of Bachelor of Science in Civil Engineering (AY 2022-2023)



190051101  
Mohammad Shafin Chowdhury  
Bangladesh



190051102  
Md. Farhan Ishraq Hassan  
Bangladesh



190051103  
Md Tamim Shahriar  
Bangladesh



190051104  
Kemia Mahfuz Auty  
Bangladesh



190051105  
Hurmetun Nesa Labiba  
Bangladesh



190051106  
Md. Shaful Islam Akash  
Bangladesh



190051107  
Tanvir Azad  
Bangladesh



190051109  
Md. Abrar Amin Khan  
Bangladesh



190051110  
Tahseen Mohd Sameen  
Bangladesh



190051111  
Muntasir Mohammad Shoeb  
Bangladesh



190051113  
Taki Tahmid Ahmed  
Bangladesh



190051114  
Mir Eram Bin Monowar  
Bangladesh



190051115  
Labeba Islam  
Bangladesh



190051116  
Md. Minhazul Hoque  
Bangladesh



190051117  
Tanveer Ahmad  
Bangladesh



190051118  
Fatin Bin Ferdous  
Bangladesh



190051119  
Zarif Ahmed  
Bangladesh



190051120  
Md. Tanjim Shahriar  
Bangladesh



190051121  
Nahiyen Al Farook  
Bangladesh



190051122  
Tasfia Rahman  
Bangladesh

# DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

## Recipients of the Degree of Bachelor of Science in Civil Engineering (AY 2022-2023)



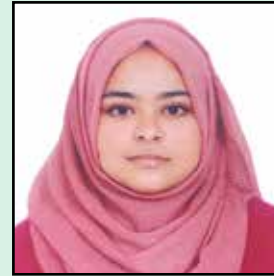
190051123  
Nurain Naz Kamal  
Bangladesh



190051124  
Suraiya Afrin Raisa  
Bangladesh



190051126  
Mehrabuzzaman  
Bangladesh



190051127  
Rujita Ishat Jaber  
Bangladesh



190051129  
Azmain Mahtab  
Bangladesh



190051130  
Ragib Hasan  
Bangladesh



190051131  
Sanim Arefin  
Bangladesh



190051132  
Rafur Rahman Sohan  
Bangladesh



190051133  
Usrat Rifat Shuprova  
Bangladesh



190051134  
Md. Abrar Chowdhury  
Bangladesh



190051136  
Alvi Masud Jagoron  
Bangladesh



190051137  
Kashfi Sharaf  
Bangladesh



190051138  
Muhtadee Ur Rahman Chowdhury  
Bangladesh



190051139  
Syed Navid Wali  
Bangladesh



190051140  
Faiyaz Ahmed Taslim  
Bangladesh



190051141  
Md. Iqramul Haque Emon  
Bangladesh



190051142  
Samiha Zaman Mim  
Bangladesh



190051143  
Tasfiah Kowser Lusaba  
Bangladesh



190051144  
Muhammad Shajid Shahriar  
Bangladesh



190051145  
Mashrur Ferdous  
Bangladesh

# DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

## Recipients of the Degree of Bachelor of Science in Civil Engineering (AY 2022-2023)



190051146  
Nafisa Binte Momin  
Bangladesh



190051147  
Munim Shahriar Rehan  
Bangladesh



190051148  
Md. Samnani Sarker  
Bangladesh



190051149  
Md. Tanjim Islam Khan  
Bangladesh



190051150  
Md Zarif Hossain  
Bangladesh



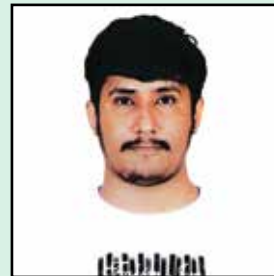
190051201  
Arian Asib  
Bangladesh



190051202  
Al-Shahrier Mohammad Zisan  
Bangladesh



190051203  
Arafat-Al-Azmine  
Bangladesh



190051205  
Md. Delwer Hossain Riad  
Bangladesh



190051206  
Fariha Tarannum Zaman Upoma  
Bangladesh



190051207  
Fahim Faisal  
Bangladesh



190051208  
Sakib Ahmed Dipta  
Bangladesh



190051209  
Md. Shoaib Samdani  
Bangladesh



190051210  
Tanvir Mustafiz Khan  
Bangladesh



190051211  
Nayma Khatun  
Bangladesh



190051212  
Maliha Mahjabin  
Bangladesh



190051213  
Md. Emtiaz Kabir  
Bangladesh



190051214  
Kaynat Rahman  
Bangladesh



190051215  
Ishika Rahman  
Bangladesh



190051216  
Wassi Ul Azam  
Bangladesh

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

### Recipients of the Degree of Bachelor of Science in Civil Engineering (AY 2022-2023)



190051217  
Nahiyen Bazlul  
Bangladesh



190051218  
Tanvir Rana Emon  
Bangladesh



190051219  
Abu Rafe Faiyaz  
Bangladesh



190051222  
Sadman Fahim Dhruba  
Bangladesh



190051223  
G. M. Niher-Al-Islam Junaid  
Bangladesh



190051224  
Maheen Shahriar Rahman  
Bangladesh



190051225  
Md. Tahmid Ahshan  
Bangladesh



190051226  
Shazid Rahman  
Bangladesh



190051227  
Md. Zawad Rafid  
Bangladesh



190051228  
Md. Al-Abrrar Mahir  
Bangladesh



190051229  
Masrhid Monir Khan  
Bangladesh



190051230  
Rahat Mostofa Prantor  
Bangladesh



190051231  
Saima Kazmina  
Bangladesh



190051232  
Md Ihfaz Sindid Hassan  
Bangladesh



190051233  
Md. Moshir Rahman Rafi  
Bangladesh



190051234  
Tayaf Mahamud  
Bangladesh



190051235  
Labiba Amin Parisa  
Bangladesh



190051236  
Hasan Faisal Niloy  
Bangladesh



190051237  
Fahad Rahman  
Bangladesh



190051238  
Chowdhury Sakif Ahabab  
Bangladesh

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

### Recipients of the Degree of Bachelor of Science in Civil Engineering (AY 2022-2023)



190051239  
Md. Asir Ahabab  
Bangladesh



190051240  
Email Haque Munmun  
Bangladesh



190051241  
Mozidun Nahar Lorin  
Bangladesh



190051242  
Jafrin Rahman Nahin  
Bangladesh



190051243  
Mahmudur Rahman Khan  
Bangladesh



190051244  
Abu Safwan  
Bangladesh



190051245  
Md. Ibrahim Talukdar  
Bangladesh



190051246  
Mohammed Fahamidun Nabi  
Bangladesh



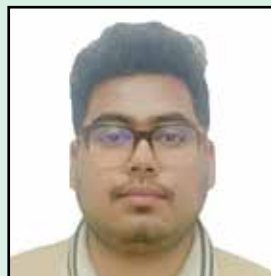
190051247  
A. K. M. Asaduzzaman Ayon  
Bangladesh



190051248  
Faria Tasnim  
Bangladesh



190051249  
Md. Hasanuzzaman  
Bangladesh



190051250  
Rafi Uz Zaman  
Bangladesh

# DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

## GRADUATING STUDENTS OF ACADEMIC YEAR AY 2022- 2023

Recipients of the Degree of Master of  
Science in Technical Education (MScTE) (AY 2022-2023)



211031101  
Fatou Joof  
Gambia



211031202  
Abu Bakarr Sillah  
Sierra Leone



211031203  
Md. Samsul Haque  
Bangladesh



211031402  
Ndawula Noah  
Uganda



211031405  
Abdulbasidu Idriss Yakubu  
Nigeria



201031101  
Md. Naem Hossain  
Bangladesh

# DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

## Recipients of the Degree of Bachelor of Science in Technical Education (BScTE 2 Year) (AY 2022-2023)



210032101  
Md. Yousuf Julfikar  
Bangladesh



210032103  
Haruna Bah  
Gambia



210032104  
Sheikh Sabally  
Gambia



210032105  
Momodou Lamin Jarjusey  
Gambia



210032106  
Saidou Sallah  
Gambia



210032107  
Yankuba B Saidykhan  
Gambia



210032109  
Mariatou Bojang  
Gambia



210032111  
Telleh Baldeh  
Gambia



210032201  
Modou Lamin Jabang  
Gambia



210032202  
Famara Fofana  
Gambia



210032203  
Mansour Jatta  
Gambia



210032204  
Ousman Sanyang  
Gambia



210032207  
Mustapha Jammeh  
Gambia



210032208  
Ramise Ndongo  
Gambia



210032209  
Sarjo Bayo  
Gambia



210032401  
Ndey Ramou Tamba  
Gambia



210032403  
Sadia Akter  
Bangladesh



210032404  
Maimuna Akter  
Bangladesh



210032405  
Andil Mchangama  
Comoros



210032406  
Isoimi-Dini Ali  
Comoros

## DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

### Recipients of the Degree of Bachelor of Science in Technical Education (BScTE 2 Year) (AY 2022-2023)



210032407  
Nasma Youssouf M'madi  
Comoros



210032408  
Ebra Ceesay  
Gambia



210032409  
Mamadou W Barry  
Gambia



200032106  
Md. Mamun Mia  
Bangladesh



200032403  
Mst Sumaiya Khatun  
Bangladesh

# DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

## Recipients of the Degree of Bachelor of Diploma in Technical Education (DTE) (AY 2022-2023)



220031101  
Ibrahim  
Bangladesh



220031102  
Syed Mehedi Hassan Ovi  
Bangladesh



220031103  
Md. Roton Ali  
Bangladesh



220031104  
Md. Anower Hossain  
Bangladesh



220031105  
Md. Sadit Hasan  
Bangladesh



220031201  
Md. Siamul Islam  
Bangladesh



220031202  
Shuvo Hossain  
Bangladesh



220031203  
Md. Asif Iqbal Shams  
Bangladesh



220031204  
Marjia Jahan  
Bangladesh



220031205  
Abdoulie Darboe  
Gambia



220031206  
Mustapha Sallah  
Gambia



220031402  
Esmotara Emm  
Bangladesh



220031403  
Most. Lipi Khatun  
Bangladesh



220031404  
Muhammad Nazim Uddin  
Bangladesh



220031405  
Umme Habiba Akter  
Bangladesh



220031406  
Jannatul Ferdowsi  
Bangladesh



220031407  
Mariama Jarjue  
Gambia



220031408  
Ibrahim Musa  
Nigeria



220031409  
Ibrahim Sani Abubakar  
Nigeria



200031206  
Abdullah Ali Ali Ahmed Al-Nusairi  
Yemen

# DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

Recipients of the Degree of Bachelor of  
Diploma in Technical Education (DTE) (AY 2022-2023)



210031205  
Omar Jammeh  
Gambia

# DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT (BTM)

## GRADUATING STUDENTS OF ACADEMIC YEAR (AY) 2022 - 2023

Recipients of the Degree of Bachelor of Business  
Administration in Technology Management (AY 2022-2023)



190061101  
Farhan Muhib Dhruba  
Bangladesh



190061102  
Mahmuda Nayem  
Bangladesh



190061103  
Jawadul Islam  
Bangladesh



190061104  
Subeh Tarek  
Bangladesh



190061105  
Noshin Tabassum Ava  
Bangladesh



190061106  
Mukit Mahdin  
Bangladesh



190061107  
Wahib Mohammad  
Bangladesh



190061108  
Nazmus Sakib Rumman  
Bangladesh



190061109  
Siam Ibne Saif  
Bangladesh



190061110  
Fatima Meher  
Bangladesh



190061111  
Tanjim Istiaque Chowdhury  
Bangladesh



190061112  
Tahsina Takia Noshin  
Bangladesh



190061113  
A. K.m.faisal Haque  
Bangladesh



190061114  
Kamrul Hasan  
Bangladesh



190061115  
Rohit Azad Rudro  
Bangladesh

## DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT (BTM)

### Recipients of the Degree of Bachelor of Business Administration in Technology Management (AY 2022-2023)



190061116  
Tarbi Binte Tofazzel  
Bangladesh



190061117  
Jakia Sultana Jane  
Bangladesh



190061118  
Abu Jor  
Bangladesh



190061119  
Md. Zawadul Bashar Al-muhi  
Bangladesh



190061120  
Nowshin Aunjum Khan Pathan  
Bangladesh



190061121  
Md. Mostak Shahariyar Nishat  
Bangladesh



190061122  
Naimur Rahman Nasim  
Bangladesh



190061123  
Toki Tajwar Islam  
Bangladesh



190061124  
Munsur Mohammad Arafat Khan  
Bangladesh



190061125  
Zarin Lamisa Authoi  
Bangladesh



190061126  
Md. Moin Khan  
Bangladesh



190061127  
Nishat Sabah Noshin  
Bangladesh



190061128  
Mostofa Yousuf  
Bangladesh



190061131  
Jemam Shahriar  
Bangladesh



190061132  
Nasif Omer Bin Haque  
Bangladesh



190061133  
Samir Iram Khan  
Bangladesh



190061134  
Sayed Sami Bhuiyan  
Bangladesh



190061135  
Md. Khaled Monower  
Bangladesh



190061136  
Israt Afzal Oyshi  
Bangladesh



190061137  
Syeda Saiyara Asgari  
Bangladesh

## DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT (BTM)

### Recipients of the Degree of Bachelor of Business Administration in Technology Management (AY 2022-2023)



190061138  
S. M Julkar Naeen Abir  
Bangladesh



190061139  
Nazmur Rahman Prince  
Bangladesh



190061140  
Al Emran  
Bangladesh



190061141  
Nabil Morshed Akon  
Bangladesh



190061142  
Mahin Abrar  
Bangladesh



190061143  
Mushfiq Khan  
Bangladesh



190061144  
Tanzim Ahmed  
Bangladesh



190061145  
Md. Montasir Momin  
Bangladesh



190061146  
Ishrar Tanzim  
Bangladesh



190061147  
Aiman Bhuiyan  
Bangladesh



190061148  
Aysa Sobhan  
Bangladesh



190061150  
Mashkhawath Abedin Mahi  
Bangladesh



180061134  
Sumaiya Nasrin Mahia  
Bangladesh

The background is a vibrant green with a radial pattern of lines emanating from the center. A large, 3D-style green streamer is positioned in the upper left corner. A string of white bunting with green triangular flags is draped across the top and bottom of the page.

*Graduating Students*  
(Part 2)

**2024**

## DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

Recipients of the Degree of  
Master of Science in Mechanical Engineering (AY 2022-2023)



191011007  
Mahmudul Firoz  
Bangladesh



201011011  
Md. Ashiqur Rahman  
Bangladesh

## DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

### Recipients of the Degree of Bachelor of Science in Mechanical Engineering (AY 2022-2023)



190011117  
Ali Munawar Abdullah  
Bangladesh



190011119  
S. M. Tanoyer Kaiser  
Bangladesh



190011137  
Abdul Malek Thabet Najj Mohammed Al-Madaghmr  
Yemen



180011128  
Alif Rafee Ibn Matin  
Bangladesh



180011139  
Md. Anowarul Shafin Khan  
Bangladesh

## DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING (MPE)

Recipients of the Degree of Bachelor of Science  
in Industrial and Production Engineering (AY 2022-2023)



190012130  
Farhan Hassan Ifty  
Bangladesh



190012135  
Jabir Ahmed  
Bangladesh



190012138  
Md. Hasin Al Muhib  
Bangladesh

# DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

## Recipients of the Degree of Bachelor of Science in Electrical and Electronic Engineering (AY 2022-2023)



190021127  
Farhan Muhib Bondhan  
Bangladesh



190021140  
Mohamed Islam Houssam  
Comoros



190021144  
Garba Mohammad Haido  
Nigeria



190021213  
Tahya Ahammed Bisma  
Bangladesh



190021217  
Md. Safin Mahmood Shomyo  
Bangladesh



190021223  
Rafracin Islam  
Bangladesh



190021224  
Shah Md. Ashik Mahmud  
Bangladesh



190021237  
Shafaiet Newaz Wornob  
Bangladesh



190021245  
Zeinab Omar Moussa  
Djibouti



190021324  
Farhan-Uz-Zaman Fahad  
Bangladesh



190021333  
Jubair Mahamud Apon  
Bangladesh



190021344  
Safa Omar Mousse  
Djibouti



180021317  
Md. Tamim Hasan  
Bangladesh

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

Recipients of the Degree of Master of Science  
in Computer Science and Engineering (AY 2022-2023)



191041038  
Shahriar Ivan  
Bangladesh

Recipients of the Degree of Master of Engineering  
in Computer Science and Engineering (AY 2022-2023)



191041009  
Md. Nazmus Sadat Khan Nehan  
Bangladesh

Recipients of the Degree of Master of Science  
in Computer Science and Applications (AY 2022-2023)



161042003  
Mohammad Abdullah Matin Khan  
Bangladesh

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

### Recipients of the Degree of Bachelor of Science in Computer Science and Engineering (AY 2022-2023)



190041126  
Salman Sajid  
Bangladesh



190041144  
Walidi Abdoulmalik  
Comoros



190041146  
Hamdja Bia Dewa  
Cameroon



190041206  
Mahmudur Rahman  
Bangladesh



190041231  
Rifa Sanjita Lamia  
Bangladesh



190041236  
Zaed Bin Monir Atib  
Bangladesh



180041117  
Faysal Mahmud  
Bangladesh



170041007  
Ahmed Shadab Sameen  
Bangladesh

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CSE)

### Recipients of the Degree of Bachelor of Science in Software Engineering (AY 2022-2023)



190042115  
Fayeaz-E-Abrar Taha  
Bangladesh



190042120  
Agni Otulonio Noor  
Bangladesh



190042133  
Anik Emtiaz  
Bangladesh



190042143  
Md. Sadman Mehedi Sivan  
Bangladesh



190042145  
Md. Mehesum Rahman  
Bangladesh

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

### Recipients of the Degree of Master of Science in Civil Engineering (AY 2022-2023)



191051014  
Mohammad Zunaied-Bin-Harun  
Bangladesh

### Recipients of the Degree of Master of Engineering in Civil Engineering (AY 2022-2023)



171051010  
Shahriar Bin Kabir  
Bangladesh

## DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

Recipients of the Degree of Bachelor of Science  
in Civil Engineering (AY 2022-2023)



190051125  
Md. Wali Ullah Riman  
Bangladesh



160051005  
Md. Tajbiul Haque Auni  
Bangladesh

# DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

## Recipients of the Degree of Bachelor of Science in Technical Education (BScTE 2 Year) (AY 2022-2023)



210032110  
Lamin Darboe  
Gambia



210032205  
Akram Ali  
Bangladesh



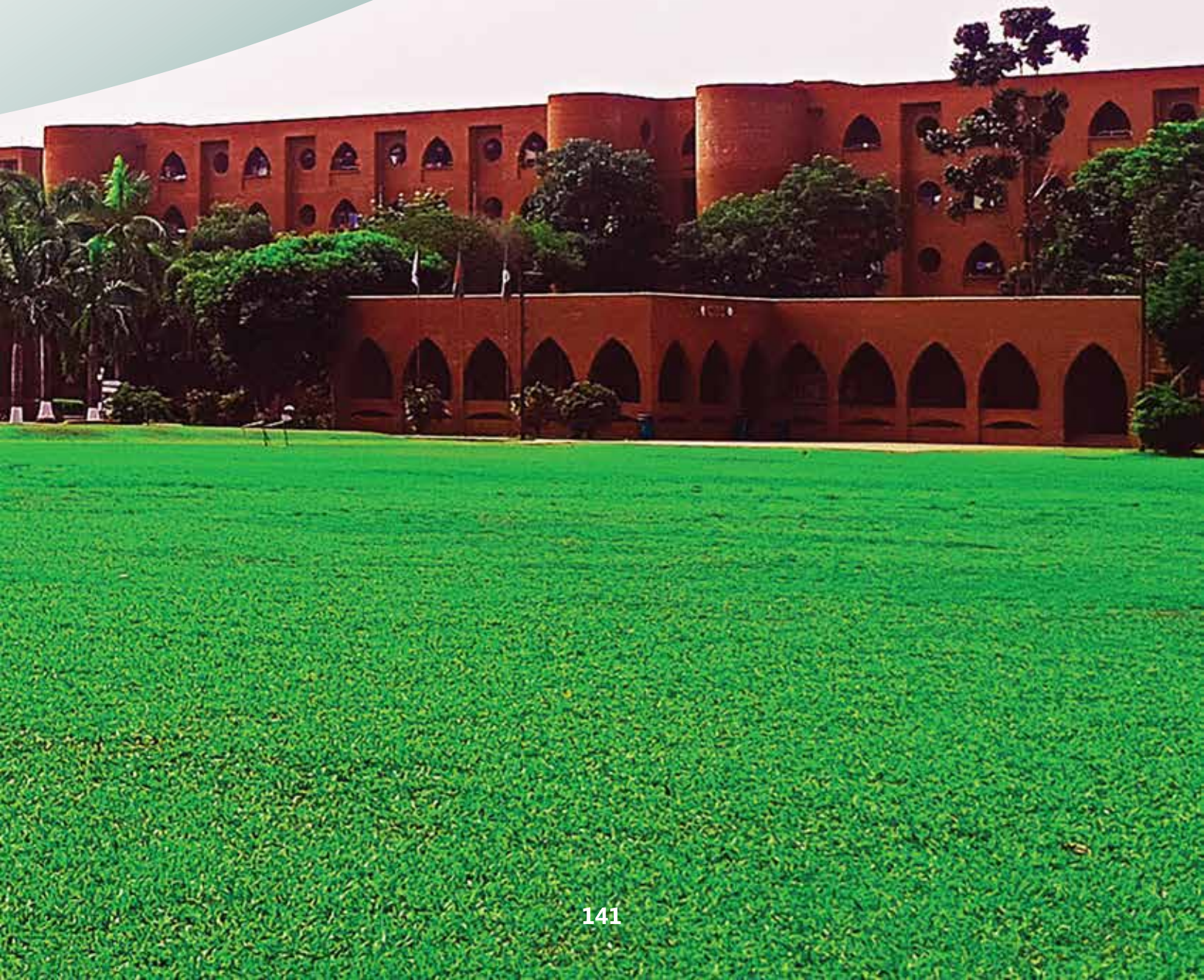
210032206  
Lamin J Ceasay  
Gambia

## DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT (BTM)

Recipients of the Degree of Bachelor of Business  
Administration in Technology Management (AY 2022-2023)



190061130  
Md. Omum Siddique Auyon  
Bangladesh



# GLIMPSES THROUGH THE LENS

# 35<sup>TH</sup> CONVOCATION 2023



Speech by the Chief Guest Her Excellency Sheikh Hasina, MP, Hon'ble Prime Minister, Govt. of the People's Republic of Bangladesh



Virtual Inauguration of the Female Hall of Residence by Her Excellency Sheikh Hasina, MP, Honorable Prime Minister of the People's Republic of Bangladesh.



Speech by the Hon'ble Chancellor of IUT and Secretary General of OIC His Excellency Hissein Brahim Taha



Speech by the Guest of Honour, Her Excellency Dr. Dipu Moni, MP, Hon'ble Education Minister, Govt. of the People's Republic of Bangladesh



Speech by the Guest of Honour, His Excellency Dr. A. K. Abdul Momen, MP, Hon'ble Foreign Minister, Govt. of the People's Republic of Bangladesh



Welcome Speech by the Hon'ble Vice Chancellor His Excellency Prof. Dr. M. Rafiqul Islam

# 35<sup>TH</sup> CONVOCATION 2023

## GLIMPSES THROUGH THE LENS



Presentation of Crest to the Hon'ble Chancellor of IUT and Secretary General of OIC H.E. Hisein Brahim Taha by the Hon'ble Chief Guest Her Excellency Sheikh Hasina, MP, Hon'ble Prime Minister, Govt. of the People's Republic of Bangladesh



Presentation of Crest to the Hon'ble Chief Guest Her Excellency Sheikh Hasina, MP, Hon'ble Prime Minister, Govt. of the People's Republic of Bangladesh by the Hon'ble Chancellor of IUT and Secretary General of OIC H.E. Hisein Brahim Taha



Presentation of Crest to the Guest of Honour Her Excellency Dr. Dipu Moni, MP, Hon'ble Education Minister, Govt. of the People's Republic of Bangladesh



Presentation of Crest to the Guest of Honour His Excellency Dr. A. K. Abdul Momen, MP, Hon'ble Foreign Minister, Govt. of the People's Republic of Bangladesh



A Gold Medalist receiving his award from Her Excellency Sheikh Hasina, MP, Honorable Prime Minister of the People's Republic of Bangladesh



Convocation Main Venue  
IUT Auditorium



ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)  
ORGANISATION OF ISLAMIC COOPERATION (OIC)

